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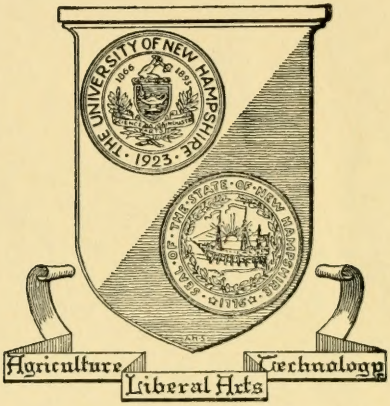

The University
of
New Hampshire

Bulletin 333 July, 1941

THE UNIVERSITY OF NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Inspection of Commercial Feeding Stuffs 1941

Made for the
State Department of Agriculture

By T. O. Smith and H. A. Davis

The University of New Hampshire
Durham, N. H.

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INSPECTION OF COMMERCIAL FEEDING STUFFS

Made for the
State Department of Agriculture

The inspection of commercial feeding stuffs reported in this bulletin was made under the direction of Honorable Andrew L. Felker, Commissioner of Agriculture. Mr. E. D. Sanborn, State Inspector, collected samples of 466 brands of feeding stuffs which were offered for sale in the State during the year ending June, 1941. The 466 samples represent brands of 113 manufacturers.

Registration and Labeling of Feeding Stuffs

Registration:—The New Hampshire law, entitled an Act to Regulate the Sale of Concentrated Commercial Feeding Stuffs, requires registration with the Commissioner of Agriculture of each brand offered for sale. This is usually done by the manufacturer or jobber whether he is located within or outside the State. Feeding stuffs manufactured in other states frequently pass through several middlemen before they reach the local distributor. Under the provisions of the law if the manufacturer or jobber fails to make registration, the dealer is responsible. Dealers who purchase feed for resale must assure themselves the brands they purchase are properly registered and the license fee paid or assume that responsibility. The official charged with the administration of the law is the Commissioner of Agriculture. All matters relative to registration and all inquiries concerning the law should be addressed to the Commissioner of Agriculture, State House, Concord.

Labeling:—The law requires every manufacturer or dealer who shall sell or offer for sale any concentrated commercial feeding stuff to furnish with each package a clearly printed statement certifying the net weight of the feed contained in the package, the brand name or trademark under which the feed is sold, the name and address of the manufacturer, the ingredients of which the feed is composed, and a chemical analysis stating the minimum percentage only of protein and of fat and the maximum percentage only of crude fiber. This statement of chemical analysis complies with the amendment to the feeding stuffs law effective February 26,

1941. In order to secure greater uniformity in the labeling of feeds and in the statement of ingredients, the Association of American Feed Control Officials has adopted definitions and standards. The Association has also approved twenty-one general regulations which "should be adopted by state officials as far as the statutes will permit." There are no conflicts in these regulations with the New Hampshire feeding stuffs law. Manufacturers and dealers are, therefore, expected to conform to the regulations of the association in all matters not specifically mentioned in the law.

One sentence in the New Hampshire feeding stuffs law reads as follows: "And shall state in bold type upon the container or a tag attached thereto, if a compounded feed, the names of the several ingredients therein contained." To avoid the misinterpretation or deception which may result from the manufacturer's using indefinite terms in listing the ingredients, the Association of American Feed Control Officials has adopted 160 official definitions of ingredients used in the compounding of feeding stuffs. These definitions are subject to frequent addition and revision. At the present time there are also 11 tentative definitions and 13 definitions that have been proposed for future discussion. Tentative definitions are those which have received favorable consideration, but have not yet been made official. A 50-page booklet containing the 160 definitions which have now been made official, the 21 general regulations and other instructive material may be obtained from the Secretary of the Association of American Feed Control Officials, College Park, Maryland, at fifty cents per copy. The manufacturer should secure a copy of this booklet and list the ingredients accurately. Carelessness or indifference in listing the ingredients should create sales resistance in the buyer. The purchaser is warranted in concluding that the manufacturer who is inaccurate in naming the ingredients printed on the tag will be equally inaccurate in selecting the ingredients he puts into the bag.

Purpose of the Feeding Stuffs Law

The chief purpose of the feeding stuffs law is to protect the consumer against the inferior products which would doubtless soon appear on the market if the trade were not under state control. The law is primarily a correct-labeling act. It must not be assumed by the purchaser of feeding stuffs that every brand which meets the manufacturer's guarantee is a high-grade feed. The feeding stuffs law does not prevent the sale of a low-grade feed if it is properly licensed and tagged and is offered for

sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding value. The law does prevent an inferior feed being offered for sale as a high-grade product.

The dealer in purchasing feed from the manufacturer, and the consumer in purchasing feed from the dealer, should make the specification that the feed delivered must comply with the New Hampshire feeding stuffs law. If the feed is not registered; if the protein, fat, and crude fiber are not guaranteed; and if the ingredients of which the feed is composed are not plainly stated on the bag, or on a tag attached thereto, the purchaser is not protected by the state feeding stuffs law. He then has no recourse under the feeding stuffs law if the feed which he purchases is of inferior quality. The dealer who offers for sale a feeding stuff which has not been registered and which is not guaranteed in compliance with the law is probably indifferent to his customer's interests in other respects. He does not merit either the confidence or the patronage of the consumer. The purchaser's co-operation in refusing to buy a feed which does not conform to the law in every respect will not only help in the enforcement of the law but will at the same time afford the purchaser himself the protection of the law. If the buyer fails to assure himself that the legal requirements have been met, he accepts the feeding stuff at his own risk.

How Cost of Inspection Affects Price

The cost of the feeding stuffs inspection includes the drawing and the analysis of the samples, and the publication of the annual bulletin. It is charged to the funds paid by the manufacturer in license fees. Since this cost is finally paid by the purchaser, he is interested in the effect of these costs on the retail price per ton. According to the latest available figures of the Bureau of the Census of the United States Department of Commerce, the retail price of the commercial feeds consumed annually in the state is in excess of seven million dollars. A calculation based on this valuation and the known costs of the inspection shows the cost to the purchaser is less than four cents per ton of feed, a fraction of a cent per one hundred pound bag.

Samples Failing to Comply with the Law

Of the 466 brands analyzed, 17 brands or 3.6 per cent, were below guarantee in protein. Five of these were less than one-half per cent below

guarantee. Fifty-three brands, or 11.4 per cent, were below guarantee in fat. Twenty-two of these were less than one-fourth per cent below guarantee. Twenty-six brands, or 5.6 per cent, contained an excessive amount of crude fiber. Forty-seven brands were below guarantee in carbohydrates. Twenty brands failed to carry the carbohydrates guarantee.

In the analysis of a feeding stuff, the percentage of carbohydrates is usually determined indirectly. It is found by subtracting the sum of the percentages of protein, fat, moisture and ash from 100. It is obvious that an excess of protein or fat over the manufacturer's guarantee decreases the percentage of carbohydrates found. Nearly all of this year's carbohydrates deficiencies are due to the protein or fat or both exceeding the guarantee. This fact, and the fact that New Hampshire was the only state still requiring the carbohydrates guarantee, led the Commissioner of Agriculture to request the last Legislature to delete the clause requiring the carbohydrates guarantee from the feeding stuffs law. Accordingly, the law was so amended, effective February 26, 1941.

In the tabulation of the analytical figures, p. 10 to p. 56 inclusive, those figures one-half per cent or more below guarantee in protein, one-fourth per cent or more below guarantee in fat, and one per cent or more above guarantee in crude fiber are printed in bold-face type. Since nearly 400 of the 466 brands analyzed were drawn before the passing of the amendment, effective February 26, 1941, the presentation of the analytical data conforms to the law in effect previous to the passing of the amendment.

Table I shows the percentage of samples failing to conform to the guarantee in each of the last sixteen years.

TABLE 1. PERCENTAGE OF SAMPLES ANALYZED IN YEARS 1926-1941 THAT DO NOT CONFORM TO GUARANTEES.

Year	Per cent below guarantee in Protein		Per cent below guarantee in Fat		Per cent high in Crude Fiber	Per cent low in Carbo-hydrates	Per cent with no Carbo-hydrates guarantee
	Less than 0.5 per cent	0.5 per cent or more	Less than 0.25 per cent	0.25 per cent or more			
1926	8.0	16.0	4.0	10.0	6.0	6.5	22.5
1927	8.3	16.4	5.8	13.6	5.9	17.9	14.4
1928	9.1	20.7	4.3	9.3	7.9	10.6	11.7
1929	9.5	20.2	2.8	9.3	6.5	10.3	9.5
1930	4.8	13.1	4.0	8.0	3.9	16.5	16.2
1931	1.8	7.2	5.9	9.7	5.3	15.6	11.2
1932	1.8	1.4	5.0	8.1	2.8	15.5	16.9
1933	1.3	3.6	7.5	9.8	3.6	18.1	5.9
1934	3.0	3.4	3.9	7.1	9.8	16.4	6.6
1935	2.4	3.0	4.2	8.5	9.9	19.8	5.4
1936	2.9	5.2	5.5	8.3	12.2	18.0	0.5
1937	2.8	4.2	3.0	6.0	11.0	21.7	0.0
1938	2.9	8.1	9.8	10.8	11.5	15.1	0.6
1939	1.9	3.3	6.8	9.3	8.7	13.6	7.6
1940	2.9	4.0	6.2	6.7	7.5	12.7	4.6
1941	1.1	2.6	4.7	6.7	5.6	10.9	4.3

Requests by Individuals for the Analysis of Feeding Stuffs

Under the feeding stuffs law the Agricultural Experiment Station is charged only with the analysis of samples of feeding stuffs collected by the State Inspector under the direction of the Commissioner of Agriculture. It does, however, each year analyze a considerable number of samples drawn by individuals representing stock purchased by them for their own use. The object of the purchaser who asks to have the sample analyzed is usually to satisfy himself whether the feed meets its guarantee and if it does not, to obtain evidence upon which to base a claim for shortage.

The Station can assume no responsibility for the sampling of these unofficial samples but can attest only the accuracy of the analysis of the sample as submitted. It is practically impossible to secure a representative sample of a feeding stuff composed of several ingredients varying widely in composition without the aid of a sampling tube for drawing the sample and proper equipment for mixing it. A feed may contain as one of its ingredients gluten meal averaging 40 per cent protein, and as another ingredient oat mill feed averaging five per cent protein. These materials are so different in physical condition that the shaking in transit tends to separate them even though they may have been perfectly mixed by the manufacturer before bagging. It is apparent that an accurate sample of a ton of this feed can only be had by drawing a core from several bags. The official method requires ten. Since a representative sample is as essential as an accurate analysis in judging the value of a shipment of feed, it is evident that a satisfactory adjustment can seldom be effected on the basis of an unofficial sample.

Notwithstanding the objections which may be raised to the analysis of samples taken without proper sampling equipment, the Station is disposed to continue this work as long as there is evidence that it constitutes a useful service. The samples so submitted should be drawn from at least ten bags in a manner which will insure that the small lot sent for analysis is as accurately representative as possible of the larger lot from which it is taken. Because of the cost of labor and materials, an analysis is not usually warranted on a sample drawn from less than a one ton lot of feed.

A one pound sample is sufficient for the analysis. It should be sent in a glass jar or tin box to prevent loss of fine particles or a change in the moisture content. In order that the Department may have a satisfactory record of the sample analyzed, and may know whether or not the manufacturer and the dealer are complying with the requirements of the law, the following information should be submitted concerning each sample.

Brand .....

Manufacturer .....

Address .....

Guarantee:

Protein .....

Fat .....

Crude Fiber .....

Ingredients .....

.....

.....

Dealer .....

Address .....

Number of bags in lot .....

Number of bags sampled .....

Price per 100 pounds .....

Your name .....

Your address .....

Your reason for requesting analysis .....

.....

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	Certified by manufacturer to contain
E. T. Allen Co., Atlanta, Ga.								
Empire 41% Cottonseed Meal	G.	41.00	5.50	38.00	.....	.....	13.00	
	F.	41.62	5.50	41.75	6.62	5.11	10.74	
Allied Mills, Inc., Chicago, Ill.								
Brewers' Dried Grains	G.	24.00	5.00	48.00	.....	.....	18.00	Brewers' dried grains.
	F.	28.85	7.96	54.38	4.06	4.75	15.34	
Economy 20% Dairy Feed	G.	20.00	3.50	51.00	.....	.....	11.00	Soybean oil meal, cottonseed meal, yellow corn meal, corn distillers' dried grains, brewer' dried grains, corn gluten feed, ground oats, wheat bran, cane molasses, 1.5% ground limestone, 0.03% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	22.33	3.85	55.92	8.23	9.67	8.75	
Sugarine 16½% Dairy Feed	G.	16.50	3.00	67.00	.....	.....	12.00	Corn distillers' dried grains, brewers' dried grains, soybean oil meal, corn gluten feed, cottonseed oil meal, corn meal, wheat bran, 5% ground and bolted screenings from flax, wheat, corn, oats and barley, oat mill feed (oat hulls, oat shorts, oat middlings), cane molasses, 1% ground limestone, 1% salt.
	F.	17.51	3.34	60.78	9.36	9.01	9.87	
Sugarine 20% Dairy Feed	G.	20.00	3.50	52.00	.....	.....	12.00	Corn distillers' dried grains, brewers' dried grains, soybean oil meal, corn gluten feed, cottonseed meal corn meal, wheat bran, 5% ground and bolted screenings from flax, wheat, corn, oats and barley, oat mill feed (oat hulls, oat shorts, oat middlings), cane molasses, 1% ground limestone, 1% salt.
	F.	22.51	3.68	54.07	9.92	9.82	7.64	
Sugarine 24% Dairy Feed	G.	24.00	3.50	50.00	.....	.....	12.00	Corn distillers' dried grains, brewers' dried grains, soybean oil meal, corn gluten feed, cottonseed oil meal, corn meal, wheat bran, 5% ground and bolted screenings from flax, wheat, corn, oats and barley, oat mill feed (oat hulls, oat shorts, oat middlings), cane molasses, 1% ground limestone, 1% salt.
	F.	24.56	3.67	51.84	9.94	9.99	7.08	
Wayne-Ameo 16% Dairy Ration	G.	16.00	3.50	59.00	.....	.....	9.00	Corn distillers' dried grains, cottonseed meal, brewers' dried grains, corn gluten feed, old process linseed oil meal, yellow corn meal, hominy meal, soybean oil meal, ground oats, crimped oats, wheat bran, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1.0% iodized salt.
	F.	18.47	4.25	60.70	7.05	9.53	6.98	
Wayne-Ameo 20% Dairy Ration	G.	20.00	4.00	54.00	.....	.....	9.00	Cottonseed meal, brewers' dried grains, corn distillers' dried grains, ground oats, corn gluten feed, yellow corn meal, hominy meal, soybean oil meal, corn gluten meal, old process linseed oil meal, wheat bran, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1.0% iodized salt.
	F.	21.49	3.84	58.17	7.25	9.25	7.80	
Wayne-Amoco 24% Dairy Ration	G.	24.00	4.00	49.00	.....	.....	9.00	Corn gluten meal, corn distillers' dried grains, brewers' dried grains, corn gluten feed, old process linseed oil meal, soybean oil meal, cottonseed meal, ground oats, yellow corn meal, hominy meal, wheat bran, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1.0% iodized salt.
	F.	24.82	4.24	54.70	7.43	8.81	7.15	

Guaranteed- Protein and Fat not less than, Crude Fiber not more than * F. Found

Wayne Chick and Broiler Ration	G.	19.00	3.50	53.00	.....	.....	8.00	Animal liver meal, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.03% manganese sulphate, 1.8% ground limestone, 0.03% iron oxide, 0.15% iodized salt, fortified sardine oil.
	F.	20.40	5.18	58.62	6.74	9.06	6.11	
Wayne Chick Starter	G.	18.00	4.00	55.00	.....	.....	7.00	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.03% manganese sulphate, 1.8% ground limestone, 0.03% iron oxide, 0.15% iodized salt, fortified sardine oil.
	F.	18.47	4.87	61.21	5.83	9.62	5.69	
Wayne Egg and Breeder Mash	G.	20.00	3.50	53.00	.....	.....	8.00	Animal liver meal, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	21.23	5.03	57.20	7.30	9.24	6.43	
Wayne Growing Mash	G.	16.00	3.50	55.00	.....	.....	7.00	Animal liver meal, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	17.16	5.26	61.52	6.67	9.39	6.09	
Wayne Laying Mash	G.	18.00	3.50	53.00	.....	.....	8.00	Fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	19.83	4.98	58.48	7.25	9.46	6.52	
Wayne 26% Mash Supplement	G.	26.00	3.50	43.00	.....	.....	10.00	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, wheat bran, 0.06% manganese sulphate, 4.5% ground limestone, 0.06% iron oxide, 0.3% iodized salt, fortified sardine oil.
	F.	26.97	5.14	45.98	14.52	7.39	8.59	
Wayne Pork Maker	G.	14.00	3.50	57.00	.....	.....	7.00	Digester tankage, meat scraps, cottonseed meal, old process linseed oil meal, fish meal, soybean oil meal, fine ground oats, corn meal, wheat standard middlings, fine ground alfalfa meal, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 0.6% iodized salt, 0.0003% copper sulphate.
	F.	16.46	4.81	62.65	6.16	9.92	5.48	
Wayne Poultry Fattener	G.	13.50	3.00	63.00	.....	.....	8.00	Rolled oats, white hominy feed, wheat red dog, wheat standard middlings, fine ground oats, corn germ oil meal, old process linseed oil meal, ground yellow corn, 4% ground limestone, 1% salt.
	F.	15.19	4.92	62.83	8.36	8.70	7.44	
Wayne 41% Soybean Oil Meal	G.	41.00	4.00	.....	.....	.....	7.00	Soybean oil cake.
	F.	44.43	5.38	35.84	6.07	8.28	5.50	
Wayne Turkey Growing Mash	G.	20.00	3.50	53.00	.....	.....	8.00	Animal liver meal, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide 0.2% iodized salt, fortified sardine oil.
	F.	21.19	5.56	55.24	8.52	9.39	6.01	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs: Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	Certified by manufacturer to contain
American Maize Products Co., New York, N. Y.								
Cream of Corn Gluten Feed	G.	25.00	2.00	58.50	.....	.....	8.50	Corn gluten feed.
	F.	27.41	2.89	56.08	5.83	7.79	8.24	
Archer-Daniels-Midland Co., Minneapolis, Minn.								
Old Process Linseed Meal	G.	32.00	4.50	44.00	.....	.....	9.00	Ground linseed cake.
	F.	33.67	5.45	46.46	5.03	9.39	8.36	
Old Process Linseed Meal 37%	G.	37.00	4.50	41.00	.....	.....	9.00	
	F.	38.26	5.10	42.23	5.62	8.79	7.72	
Ashcraft-Wilkinson Co., Atlanta, Ga.								
Cow-Eta Brand 43% Cottonseed Meal	G.	43.00	5.25	37.00	.....	.....	12.00	Made from cottonseed only.
	F.	45.70	9.39	31.51	6.15	7.25	7.32	
E. R. Bacon Grain Co., Boston, Mass.								
Bacon's Gluten Feed	G.	25.00	2.00	.....	.....	.....	8.00	
	F.	25.92	4.33	60.63	3.61	5.51	6.37	
E. W. Bailey & Co., Montpelier, Vt.								
Bailey's B-20	G.	20.00	4.00	55.00	.....	.....	13.00	Corn gluten feed, wheat standard middlings, soybean oil meal, cottonseed meal, wheat bran, white hominy feed, yellow corn meal, dried brewers' grains, oat mill by-products, oat middlings, oat hulls, oat shorts, cane molasses, edible steamed bone meal, calcium carbonate, salt.
	F.	22.68	4.19	56.84	7.73	8.56	11.59	
Bailey's Breeder Mash	G.	20.00	4.00	50.00	.....	.....	6.50	Dried skimmed milk, dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, fortified A and D feeding oil, wheat germ oil.
	F.	21.10	4.58	55.65	8.68	9.99	4.96	
Bailey's Capital Wheat Mixed Feed	G.	14.00	3.00	60.00	.....	.....	7.00	Wheat bran, wheat red dog flour.
	F.	15.89	4.61	64.84	4.79	9.87	7.08	
Bailey's Complete Grower	G.	14.00	4.00	55.00	.....	.....	6.50	Dried skimmed milk, fine ground oats, fine ground barley, meat scraps, fish meal, soybean oil meal, wheat standard middlings, wheat bran, yellow corn meal, dehydrated alfalfa meal, salt, calcium carbonate, bone meal, charcoal, manganese sulphate, fortified cod liver oil.
	F.	15.50	4.30	64.36	6.71	9.13	5.26	

Bailey's Complete Layer	G.	15.50	4.00	55.00	.....	.....	7.00	Dried skimmed milk, ground oats, ground barley, meat scraps, fish meal, soybean oil meal, wheat standard middlings, wheat bran, ground wheat, yellow corn meal, dehydrated alfalfa meal, salt, calcium carbonate, bone meal, charcoal, manganese sulphate, fortified cod liver oil.
	F.	17.16	4.33	59.05	9.12	10.34	5.32	
Bailey's Complete Starter and Broiler	G.	17.00	4.00	55.00	.....	.....	6.00	Dried skimmed milk, fine ground barley, fine ground oats, meat scraps, fish meal, soybean oil meal, wheat standard middlings, wheat bran, yellow corn meal, dehydrated alfalfa meal, salt, calcium carbonate, bone meal, charcoal, manganese sulphate, fortified cod liver oil.
	F.	20.53	4.90	54.79	10.32	9.46	5.48	
Bailey's 16% Dairy Ration	G.	16.00	4.00	60.00	.....	.....	9.00	Corn gluten feed, yellow corn meal, white hominy feed, ground oats, wheat bran, linseed oil meal, cottonseed meal, soybean oil meal, salt, calcium carbonate, bone meal, cane molasses.
	F.	17.77	**3.66**	61.40	7.34	9.83	6.15	
Bailey's 18% Dairy Ration	G.	18.00	4.00	55.00	.....	.....	8.00	Corn distillers' dried grains, corn gluten feed, brewers' dried grains, ground oats, hominy feed, yellow corn meal, soybean oil meal, wheat bran, dried molasses citrus pulp, salt, steamed bone meal, calcium carbonate, cane molasses.
	F.	19.88	3.84	58.53	7.89	9.86	6.59	
Bailey's Favorite Dairy Ration	G.	20.00	4.00	55.00	.....	.....	7.50	Corn gluten feed, yellow corn meal, white hominy feed, ground oats, wheat standard middlings, wheat bran, linseed oil meal, cottonseed meal, soybean oil meal, salt, calcium carbonate, edible bone meal, cane molasses.
	F.	21.71	4.59	56.21	8.19	9.30	6.42	
Bailey's Fitting Ration Sweetened	G.	14.00	4.00	62.00	.....	.....	9.00	White hominy feed, wheat bran, linseed oil meal, soybean oil meal, ground oats, salt, edible steamed bone meal, calcium carbonate, cane molasses, fortified cod liver oil.
	F.	14.19	**3.49**	65.03	6.43	10.86	6.10	
Bailey's Laying Mash	G.	20.00	4.50	50.00	.....	.....	7.00	Dried skimmed milk, dried milk albumen, feeding oat meal, fine ground oats, fine ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten feed, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, charcoal, potassium iodide, manganese sulphate, fortified cod liver oil, wheat germ oil.
	F.	21.36	4.99	54.12	10.74	8.79	6.13	
Bailey's Twentieth Century 20 Dairy Ration	G.	20.00	4.00	55.00	.....	.....	9.00	Corn gluten feed, corn distillers' dried grains, brewers' dried grains, yellow corn meal, white hominy feed, ground oats, ground barley, wheat bran, linseed oil meal, soybean oil meal, cottonseed meal, dried beet pulp, salt, calcium carbonate, bone meal, cane molasses.
	F.	22.15	4.72	55.70	7.82	9.61	7.99	
Capital Dairy Ration Sweetened	G.	24.00	4.50	55.00	.....	.....	9.00	Corn gluten feed, linseed oil meal, hominy feed, 43% cottonseed meal, ground oats, wheat bran, corn meal, soybean meal, edible bone meal, calcium carbonate, fine salt, molasses.
	F.	26.49	4.39	50.77	9.54	8.81	6.57	
G. N. Bartemus Co., Concord, N. H.								
Barco All Purpose Mash	G.	18.00	4.00	51.00	.....	.....	6.80	Corn meal, corn gluten feed, wheat bran, standard wheat middlings, ground oats, dehydrated alfalfa leaf meal, soybean meal, dried skimmed milk, meat craps, fish meal, ground limestone, salt, concentrated cod liver oil, manganese sulphate.
	F.	**17.47**	4.26	60.59	7.13	10.55	5.80	
Barco Calf Meal	G.	22.00	4.00	55.00	.....	.....	5.00	Red dog middlings, corn flour, feeding oat meal, linseed, soybean meal, fenugreek seed, skimmed milk, anise seed, nopco xx oil meal, salt.
	F.	**21.08**	5.36	59.70	4.85	9.01	5.21	

Manufacturer Brand	Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbohydrates	Ash	Moisture	Crude Fiber	
Hillsboro 20% Dairy Ration Sweetened	G.	20.00	4.50	55.00	.....	.....	8.50	Corn meal, distillers' corn dried grains, wheat bran, ground oats, 41% cottonseed meal, corn gluten feed, linseed meal, lime, salt, bone meal, molasses.
	F.	20.66	4.27	58.45	7.16	9.46	6.68	
Hoyt's Laying Mash	G.	17.80	4.50	57.00	.....	.....	5.00	Corn meal, wheat bran, wheat red dog, 42-44 lbs. ground oats, fish meal, 50% meat scraps, dehydrated alfalfa leaf meal, dried skimmed milk, charcoal, linseed meal, oyster shell meal, salt, cod liver oil, soybean meal, lime, manganese sulphate.
	F.	17.91	5.05	58.73	9.61	8.70	**9.13**	
Beacon Milling Co., Cayuga, N. Y.								
Beacon Breeders Mash	G.	20.00	4.00	50.00	.....	.....	7.50	Dried skimmed milk, dried buttermilk, liver meal, meat scraps, fish meal, dehydrated alfalfa leaf meal, corn meal, pulverized heavy oats, pulverized heavy barley, wheat bran, wheat flour middlings, wheat germ meal, fortified cod liver oil, ½% fine salt, 3% calcium carbonate, 1% protozyme (an enzyme supplying product derived from biochemically processed cereals), 70 p.p.m. anhydrous manganese sulphate, lactoflavin concentrate.
	F.	20.23	6.44	53.74	10.98	8.61	6.45	
Beacon Broiler Feed	G.	18.50	4.00	50.00	.....	.....	7.00	Dried skimmed milk, liver meal, meat scraps, fish meal, ground yellow corn, pulverized heavy oats, wheat bran, wheat red dog, wheat germ meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, fortified cod liver oil, 2½% calcium carbonate, ½% salt, 35 p.p.m. anhydrous manganese sulphate.
	F.	20.14	5.39	57.34	7.68	9.45	4.82	
Beacon Complete Starting Ration	G.	17.50	4.00	50.00	.....	.....	6.00	Dried skimmed milk, liver meal, meat scraps, fish meal, ground yellow corn, ground hulled oats, pulverized heavy oats, pulverized heavy barley, wheat bran, wheat flour middlings, dehydrated alfalfa leaf meal, wheat germ meal, fortified cod liver oil, 2% calcium carbonate, ½% salt, 35 p.p.m. anhydrous manganese sulphate.
	F.	18.83	5.32	57.02	9.39	9.44	4.82	
Beacon 22 Egg Mash	G.	22.00	4.50	48.00	.....	.....	7.50	Dried buttermilk, dried skimmed milk, liver meal, meat scraps, fish meal, pulverized heavy barley, pulverized heavy oats, corn meal, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, wheat germ meal, fortified cod liver oil, 3% calcium carbonate, ½% fine salt, 1% protozyme (an enzyme supplying product derived from biochemically processed cereals), 70 p.p.m. anhydrous manganese sulphate.
	F.	22.63	6.20	51.63	10.86	8.68	6.07	
Beacon Fitting Ration	G.	14.00	4.00	58.00	.....	.....	8.00	Crushed oats, ground barley, old process linseed oil meal, hominy feed, corn meal, wheat bran, wheat middlings, molasses, 1% salt, ½% calcium carbonate, 1% steamed bone meal.
	F.	15.06	4.03	62.55	7.35	11.01	6.42	
Beacon 16 Growing Mash	G.	16.00	4.00	50.00	.....	.....	7.50	Dried skimmed milk, liver meal, fish meal, meat scraps, pulverized heavy oats, corn meal, pulverized heavy barley, wheat bran, wheat flour middlings, dehydrated alfalfa leaf meal, wheat germ meal, fortified cod liver oil, 2% calcium carbonate, ½% salt, 70 p.p.m. anhydrous manganese sulphate.
	F.	17.34	6.14	57.83	9.61	9.08	6.65	

Beacon 18 Growing Mash	G.	18.00	4.00	50.00	.....	.....	7.50	Dried skimmed milk, liver meal, meat scraps, fish meal, pulverized heavy oats, pulverized heavy barley, corn meal, wheat red dog, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, wheat germ meal, fortified cod liver oil, 2% calcium carbonate, ½% salt, 70 p.p.m. anhydrous manganese sulphate.
	F.	18.52	5.98	56.57	10.02	8.91	6.55	
Beacon 20 Laying Mash	G.	20.00	4.00	50.00	.....	.....	7.50	Dried buttermilk, dried skimmed milk, liver meal, fish meal, meat scraps, corn meal, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, pulverized heavy barley, pulverized heavy oats, wheat germ meal, fortified cod liver oil, 3% calcium carbonate, ½% salt, 70 p.p.m. anhydrous manganese sulphate.
	F.	20.40	6.40	53.95	10.54	8.71	6.38	
Beacon Sweet 30	G.	20.00	4.00	50.00	.....	.....	9.00	Old process linseed oil meal, soybean oil meal, corn distillers' dried grains, cottonseed meal, wheat bran, wheat middlings, corn gluten meal, corn gluten feed, ground barley, corn meal, ground oats, molasses, 1% salt, 1% steamed bone meal.
	F.	21.10	4.23	57.84	7.46	9.37	6.69	
Beacon Sweet 24	G.	24.00	4.00	50.00	.....	.....	9.00	Old process linseed oil meal, soybean oil meal, corn gluten meal, cottonseed meal, corn gluten feed, corn distillers' dried grains, wheat bran, wheat middlings, ground oats, ground barley, molasses, 1% salt, 1% calcium carbonate, 1% steamed bone meal.
	F.	24.47	3.92	53.76	8.34	9.51	6.77	
Beacon Turkey Fitting Ration	G.	10.00	3.00	60.00	.....	.....	9.00	Old process linseed oil meal, soybean oil meal, corn gluten meal, cut alfalfa, crushed barley, cracked corn, crimped oats, molasses, 1% salt.
	F.	11.12	3.24	70.39	3.12	12.13	6.05	
Beacon Turkey Growing Feed	G.	20.00	4.00	55.00	.....	.....	7.00	Dried skimmed milk, liver meal, dehydrated alfalfa leaf meal, meat scraps, fish meal, wheat bran, wheat flour middlings, wheat red dog, corn gluten meal, soybean oil meal, pulverized heavy oats, pulverized heavy barley, corn meal, wheat germ meal, fortified cod liver oil, 4% calcium carbonate, ½% salt, 1% protozyme (an enzyme supplying product derived from biochemically processed cereals), 70 p.p.m. anhydrous manganese sulphate.
	F.	21.92	5.26	54.66	9.18	8.98	6.21	
L. Clayton Berry, Lebanon, N. H.								
Colonial Dairy Ration	G.	20.00	4.00	50.00	.....	.....	12.00	Corn meal or hominy feed, gluten feed, 41% cottonseed meal, wheat bran, brewers' grains, corn distillers' grains, ground oats, linseed oil meal, soybean meal, calcium carbonate, fine salt, molasses
	F.	22.51	4.10	57.35	6.43	9.01	9.30	
Blatchford Calf Meal Co., Waukegan, Ill.								
Blatchford's Calf Meal	G.	25.00	4.50	50.00	.....	.....	6.00	Anise, dried milk albumen, locust bean meal, rice polishings, blood flour, cocoa, cocoanut oil meal, soybean oil meal, red dog flour, standard wheat middlings, potassium iodide, ground beans, barley meal, cottonseed meal, linseed oil meal, irradiated yeast, calcium phosphate (bone meal), salt.
	F.	27.01	4.57	50.80	7.58	10.04	5.46	
V-D	G.	31.00	4.00	40.00	.....	.....	5.50	Wheat germ oil, locust bean meal, dried milk albumen, fish meal, anise seed, rice polishings, blood flour, cocoa, fenugreek seed, potassium iodide, concentrated cod liver oil, red dog flour, standard wheat middlings, linseed oil meal, soybean oil meal, cocoanut oil meal, calcium phosphate, bone meal, salt, manganese sulphate.
	F.	33.84	5.08	42.30	10.28	8.50	4.93	
Borden Company, New York, N. Y.								
Flaydry Lactoflavin Supplement	G.	24.00	0.50	39.25	.....	.....	4.25	Dried whey, dried skimmed milk, soybean oil meal, lactoflavin concentrate.
	F.	27.32	0.67	47.52	17.78	6.71	2.27	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs					Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Buckeye Cotton Oil Co., Cincinnati, Ohio								
Buckeye 41% Cottonseed Meal ..	G.	41.00	5.00	38.00	.....	.....	13.00	Cottonseed meal.
	F.	41.63	5.66	38.54	6.82	7.35	10.82	
Central Soya Co., Fort Wayne, Ind.								
Central Soybean Oil Meal	G.	41.00	4.00	35.00	.....	.....	7.00	
	F.	42.99	4.98	37.45	6.16	8.42	6.07	
Checkerboard Feed Stores, St. Johnsbury, Vt.								
Creamery Ration	G.	20.00	3.50	52.00	.....	.....	10.00	Wheat bran, wheat middlings, hominy or corn feed meal, gluten feed, cotton-seed meal, brewers' grains, ground oats, linseed meal, soybean oil meal, molasses, 2% calcium carbonate (limestone), 1% salt.
	F.	21.98	4.51	56.50	7.32	9.69	8.03	
S. J. Cherry & Sons, Preston, Canada								
Bran	G.	14.00	3.50	51.00	.....	.....	11.50	
	F.	14.80	4.96	64.59	6.22	9.43	10.31	
Shorts	G.	15.00	5.00	52.00	.....	.....	8.00	
	F.	15.33	5.33	65.07	4.21	10.06	6.13	
Coatsworth & Cooper, Toronto, Canada								
C and C Wheat Bran	G.	15.00	3.50	51.00	.....	.....	11.50	
	F.	16.11	5.25	62.44	5.75	10.45	10.92	
C and C Wheat Shorts	G.	16.00	5.00	52.00	.....	.....	8.00	
	F.	16.33	**4.72**	63.51	3.51	11.93	6.84	
Consolidated Rendering Co., Boston, Mass.								
Corenco 45% Meat and Bone Scrap	G.	45.00	6.00	.....	.....	.....	.....	Maximum phosphoric acid 15%, cooked meat and bone.
	F.	48.90	8.24	.....	33.55	6.81	.....	
Corenco 50% Meat and Bone Scrap	G.	50.00	6.00	.....	.....	.....	.....	Maximum phosphoric acid 12%, cooked meat and bone.
	F.	51.49	8.86	.....	31.08	6.32	.....	
Corenco 55% Meat and Bone Scrap	G.	55.00	6.00	.....	.....	.....	.....	Cooked meat and bone.
	F.	**50.41**	9.06	.....	32.16	6.31	.....	
Copeland Flour Mills, Midland, Canada								
Dandy Wheat Shorts	G.	18.00	5.00	54.00	.....	.....	8.00	Milled from washed wheat.
	F.	19.18	5.75	60.83	4.02	10.22	6.79	

Corn Products Refining Co., New York, N. Y.								
Buffalo Corn Gluten Feed	G.	23.00	2.00	54.50	.....	.....	8.50	Corn gluten feed.
	F.	25.39	2.02	58.22	5.91	8.46	8.00	
Charles M. Cox Co., Boston, Mass.								
Energy 20 Dairy Ration	G.	20.00	3.50	50.00	.....	.....	8.00	Soybean oil meal, cottonseed meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	22.33	3.86	56.48	6.95	10.38	6.59	
Hygrade 12 Fitting Ration Sweetened	G.	12.00	4.00	60.00	.....	.....	8.00	Fortified cod liver oil, old process linseed meal, soybean old meal, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	16.38	4.47	63.10	6.72	9.33	6.66	
Hygrade 20 Milk Ration Sweetened	G.	20.00	4.00	54.00	.....	.....	8.00	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	21.36	4.40	56.33	7.48	10.43	6.69	
Hygrade 24 Milk Ration Sweetened	G.	24.00	4.00	50.00	.....	.....	8.50	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	26.92	4.63	51.55	7.89	9.01	6.95	
Wirthmore Baby Chick Starter	G.	19.00	4.00	58.00	.....	.....	7.50	Flavin concentrate, fortified cod liver oil, drieed skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oat groats, pulverized oats, calcium carbonate, manganese sulphate, salt.
	F.	19.87	4.61	57.81	7.21	10.50	5.98	
Wirthmore Pig and Hog Feed	G.	17.00	4.00	58.00	.....	.....	9.00	Irradiated yeast, vitamin A concentrate, old process linseed oil meal, corn gluten feed, yellow corn meal, hominy feed, ground barley, alfalfa meal, wheat bran, wheat standard middlings, wheat red dog, cane molasses, fish meal, meat scraps, steamed bone meal, calcium carbonate, salt.
	F.	18.13	5.14	59.10	7.91	9.72	6.05	
Wirthmore Special Egg Mash	G.	20.00	4.00	50.00	.....	.....	7.50	Fortified cod liver oil, D-activated animal sterol (vitamin D), meat craps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	21.54	4.17	54.86	9.41	10.02	6.11	
Wirthmore Stock Feed	G.	9.00	4.00	70.00	.....	.....	9.50	Ground corn, hominy feed, ground oats, ground barley, oat mill feed (oat hulls, oat shorts, oat middlings), cane molasses, steamed bone meal, calcium carbonate, salt.
	F.	12.39	5.52	67.33	6.09	8.67	8.51	
Wirthmore Wheat Feed	G.	15.00	3.75	50.00	.....	.....	8.00	Wheat bran and wheat red dog with mill run screenings.
	F.	15.76	5.31	63.77	4.55	10.61	7.48	
G. B. Currier Co., Colebrook, N. H.								
Champion Dairy Ration	G.	24.00	4.75	50.00	.....	.....	8.50	Bran, choice cottonseed meal, buffalo gluten feed, diamond gluten meal, linseed oil meal, fancy ground oats, corn meal or hominy, brewers dried grains, distillers' grains, middlings, ¾% salt, bone meal.
	F.	25.74	5.68	54.24	5.70	8.44	8.07	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Delaware Mills, Deposit, N. Y.								
Delaware All Mash Chick Starter	G.	17.00	4.00	60.00	.....	.....	6.00	Cod liver oil, dried skimmed milk, meat scraps, fish meal, wheat red dog, dehydrated alfalfa leaf meal, corn meal, wheat bran, wheat middlings, oat meal, bone meal, calcium carbonate, charcoal, salt, potassium iodide, manganese.
	F.	17.95	5.08	58.22	8.61	10.14	5.06	
Delaware Breeder Mash	G.	20.00	4.00	50.00	.....	.....	7.50	Cod liver oil, wheat germ oil, dried skimmed milk, dried whey, dehydrated alfalfa leaf meal, meat scraps, fish meal, soybean oil meal, corn meal, wheat bran, wheat middlings, wheat red dog, oat meal, pulverized heavy oats, ground barley, calcium carbonate, ½% salt, potassium iodide, manganese.
	F.	20.18	4.01	55.81	10.03	9.97	6.34	
Delaware Egg Mash	G.	19.00	4.00	50.00	.....	.....	9.00	Vitamin A and D fish oil, dried whey, meat scraps, bone meal, soybean oil meal, corn gluten feed, linseed oil meal, wheat bran, wheat middlings, yellow corn meal, fine ground oats, ground barley, dehydrated alfalfa meal, calcium carbonate, salt, potassium iodide manganese.
	F.	19.44	4.45	58.34	8.19	9.58	7.83	
Delaware Fitting Ration	G.	14.00	4.00	60.00	.....	.....	10.00	Cane molasses, wheat bran, wheat middlings, corn meal, ground oats, linseed oil meal, soybean oil meal, peanut oil meal, calcium carbonate, salt, potassium iodide.
	F.	15.85	4.71	62.80	6.22	10.42	6.65	
Delaware Growing Mash	G.	17.00	4.00	55.00	.....	.....	6.50	Cod liver oil, dried skimmed milk, dehydrated alfalfa leaf meal, meat scraps, fish meal, bone meal, soybean oil meal, corn gluten feed, pulverized heavy oats, corn meal, wheat bran, wheat middlings, wheat flour middlings, oat meal, calcium carbonate, ½% salt, potassium iodide, manganese.
	F.	19.17	4.50	57.95	8.84	9.54	6.88	
Delaware Laying Mash	G.	20.00	4.00	50.00	.....	.....	7.00	Cod liver oil, dried skimmed milk, meat scraps, bone meal, fish meal, soybean oil meal, corn gluten feed, corn meal, wheat bran, wheat middlings, wheat red dog, pulverized heavy oats, oat meal, ground barley, dehydrated alfalfa leaf meal, calcium carbonate, ½% salt, potassium iodide, manganese.
	F.	20.49	4.32	56.36	9.32	9.51	6.64	
Delaware Pig and Hog Feed	G.	16.00	4.00	55.00	.....	.....	8.00	Wheat middlings, wheat bran, corn meal or hominy feed, meat scraps, fish meal, choice alfalfa meal, peanut oil meal, soybean oil meal, linseed oil meal, calcium carbonate, salt, potassium iodide.
	F.	16.90	6.25	59.83	7.88	9.14	6.24	
Delaware Starter and Broiler Ration	G.	18.00	4.50	55.00	.....	.....	6.00	Cod liver oil, dried skimmed milk, meat scraps, fish meal, bone meal, dehydrated alfalfa leaf meal, corn meal, wheat bran, wheat middlings, wheat red dog, oat meal, soybean oil meal, corn gluten feed, calcium carbonate, salt, potassium iodide, manganese.
	F.	19.88	4.63	57.29	8.41	9.59	6.00	
Delaware Starter, Grower, Layer	G.	16.00	4.00	60.00	.....	.....	6.00	Cod liver oil, dried skimmed milk, meat scraps, fish meal, bone meal, corn meal, wheat bran, wheat middlings, wheat red dog, dehydrated alfalfa leaf meal, pulverized heavy oats, soybean oil meal, calcium carbonate, salt, potassium iodide, manganese.
	F.	17.90	4.08	59.08	7.06	10.68	6.90	
Delaware Stock Feed	G.	9.00	3.00	65.00	.....	.....	12.00	Corn meal, hominy feed, ground oats, ground barley, wheat middlings, oat middlings, oat hulls, oat shorts, calcium carbonate, salt, potassium iodide.
	F.	11.63	3.73	68.57	7.46	8.61	**13.49**	

Delaware Sweet 20% Dairy Feed	G.	20.00	4.50	50.00	.....	.....	10.00	Cane molasses, linseed oil meal, corn gluten feed, corn gluten meal, cottonseed meal, soybean oil meal, corn distillers' grains, peanut oil meal, babassu oil meal, wheat bran, wheat middlings, hominy feed, ground oats, ground barley, calcium carbonate, salt, potassium iodide.
	F.	21.10	4.94	56.21	7.77	9.98	8.68	
Delaware Sweet 24% Dairy Feed	G.	24.00	4.50	50.00	.....	.....	9.00	Cane molasses, corn gluten feed, corn gluten meal, linseed oil meal, cottonseed meal, soybean oil meal, corn distillers' grains, hominy feed, peanut oil meal, babassu oil meal, corn meal, wheat bran, wheat middlings, calcium carbonate, salt, potassium iodide.
	F.	25.31	5.23	51.52	8.13	9.81	7.56	
Delco Laying Mash	G.	17.00	4.00	50.00	.....	.....	9.00	Cod liver oil, dried skimmed milk, meat scraps, bone meal, soybean oil meal, corn gluten meal, corn gluten feed, wheat bran, wheat middlings, corn meal or hominy feed, fine ground oats, alfalfa meal, calcium carbonate, salt, potassium iodide, manganese.
	F.	17.43	4.54	60.70	7.49	9.84	6.96	
Indian Sweet 20% Dairy Feed	G.	20.00	3.50	50.00	.....	.....	12.00	Cane molasses, linseed oil meal, corn gluten feed, cottonseed meal, soybean oil meal, peanut oil meal, wheat bran, wheat middlings, corn meal, reground oat feed, corn distillers' grains, calcium carbonate, salt, potassium iodide.
	F.	**18.57**	4.06	59.19	8.42	9.76	10.12	
Rollins Special Dairy Feed	G.	20.00	4.00	45.00	.....	.....	9.00	500 lbs. gluten feed, 100 lbs. wheat bran, 200 lbs. cottonseed meal 41%, 300 lbs. wheat middlings, 340 lbs. hominy, 200 lbs. brewers' grains, 100 lbs. linseed oil meal, 200 lbs. molasses, 20 lbs. limestone, 20 lbs. bone meal, 20 lbs. salt.
	F.	20.22	4.14	57.13	7.97	10.54	6.18	
Dietrich & Gambrill, Frederick, Md.								
All Purpose Complete Ration	G.	15.00	4.00	56.00	.....	.....	7.00	Ground corn, ground wheat, pulverized oats, flour middlings, wheat bran, alfalfa leaf meal, meat scraps, fish meal, soybean meal, steamed bone meal, calcium carbonate, salt, cod liver oil, potassium iodide, manganese sulphate, dried milk, dried whey, lactoflavin concentrate.
	F.	16.77	4.77	59.64	9.09	9.73	5.51	
D & G Dairy Feed	G.	20.00	4.00	54.00	.....	.....	12.00	Cottonseed meal, soybean oil meal, linseed meal, gluten feed, corn feed meal, wheat bran, 15% ground grain screenings from wheat, clipped oat by-products, oat middlings, oat hulls, oat shorts, molasses, 1% bone meal, 1% calcium carbonate 1% salt, potassium iodide.
	F.	21.36	4.05	56.94	8.10	9.55	10.36	
Frederick Growing Mash	G.	16.00	4.00	60.00	.....	.....	8.00	Wheat middlings, wheat bran, pulverized oats, corn feed meal, gluten feed, fish meal, ground barley, soybean meal, meat scraps, dried milk, dried whey, lactoflavin concentrate, alfalfa leaf meal, bone meal, calcium carbonate, salt, potassium iodide, cod liver oil, manganese sulphate.
	F.	18.30	4.63	57.86	9.29	9.92	6.28	
Frederick Laying Mash	G.	18.00	4.00	53.00	.....	.....	8.00	Wheat bran, wheat middlings, corn feed meal, pulverized oats, ground barley, gluten meal, meat scraps, fish meal, alfalfa leaf meal, soybean meal, bone meal, calcium carbonate, salt, dried milk, dried whey, lactoflavin concentrate, potassium iodide, cod liver oil, manganese sulphate.
	F.	20.57	4.93	55.37	9.54	9.59	6.47	
Frederick Stock Feed	G.	7.50	3.00	70.00	.....	.....	12.00	Ground barley, corn feed meal, ground oats, oat middlings, oat shorts, oat hulls, salt.
	F.	10.33	3.56	70.29	6.43	9.39	8.55	
Gambrill's A-1 Dairy Feed	G.	24.00	4.60	51.00	.....	.....	9.00	Gluten feed, cottonseed meal, linseed meal, peanut meal, dried brewers' grains, wheat bran, corn feed meal, wheat middlings, ground oats, molasses, 1% calcium carbonate, 1% bone meal, 1% salt, potassium iodide.
	F.	24.30	4.61	56.07	5.15	9.87	7.90	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbohydrates	Ash	Moisture	Crude Fiber	
Gambrill's 16% Dairy Feed	G.	16.00	3.50	57.00	.....	.....	12.00	Cottonseed meal, peanut meal, gluten feed, wheat bran, corn feed meal, ground grain screenings from wheat, clipped oat by-products, oat middlings, oat shorts, oat hulls, molasses, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	19.52	5.47	59.55	5.91	9.55	9.58	
Gambrill's Laying Mash	G.	20.00	4.00	51.00	.....	.....	7.00	Bran, wheat middlings, corn feed meal, linseed meal, soybean meal, pulverized oats, alfalfa leaf meal, gluten meal, meat scraps, fish meal, dried milk, dried whey, lactoflavin concentrate, bone meal, salt, calcium carbonate, cod liver oil, potassium iodide, manganese sulphate.
	F.	21.63	4.88	52.13	12.38	8.98	6.43	
Pen-Mar Dairy Feed	G.	20.00	4.00	56.00	.....	.....	10.00	Gluten feed, cottonseed meal, linseed meal, soybean oil meal, dried brewers' grains, ground oats, corn feed meal, wheat bran, wheat middlings, molasses, 1% calcium carbonate, 1% bone meal, 1% salt, potassium iodide, corn distillers' grains.
	F.	22.33	4.66	56.21	7.19	9.61	7.25	
Poultry Conditioning Ration	G.	15.00	6.00	56.00	.....	.....	6.00	Cracked wheat, fine cracked corn, corn meal, wheat red dog flour, pulverized oats, wheat bran, alfalfa leaf meal, dried skimmed milk, dried whey, lactoflavin concentrate, fish meal, meat scraps, soybean oil meal, grit, bone meal, calcium carbonate, salt, mineral oil, peanut oil meal, vitamins A and D feeding oil, 0.0002% potassium iodide, 0.012% manganese sulphate.
	F.	16.64	6.01	56.57	11.05	9.73	4.96	
Distillers' Corp., Montreal, Canada								
Distilco Corn Distillers' Dried Grains	G.	29.00	10.00	.....	.....	.....	13.00	
	F.	29.07	12.36	47.15	4.10	7.32	7.94	
Dolly Madison Dairies Reedsburg, Wis.								
Pure Dried Skimmed Milk	G.	31.00	0.50	.....	.....	.....	.....	Made from liquid skimmed milk.
	F.	35.29	0.71	49.25	9.83	4.92	.....	
Eastern Semolina Mills, Baldwinsville, N. Y.								
Dairy Special Fancy Mixed Wheat Feed	G.	15.00	5.00	54.00	.....	.....	9.00	With mill run ground screenings.
	F.	17.43	5.68	62.58	4.17	10.14	7.21	
Eastern States Farmers' Exchange, Springfield, Mass.								
Eastern States All Mash Breeder	G.	15.50	4.00	57.00	.....	.....	5.50	800 lbs. E.S. yellow corn meal, 320 lbs. wheat bran, 320 lbs. wheat flour middlings, 134.75 lbs. E.S. ground oats, 70 lbs. 50% protein meat scraps, 70 lbs. 58% protein fish meal, 60 lbs. alfalfa leaf meal, 60 lbs. E.S. ground barley, 40 lbs. 41% protein soybean oil meal, 40 lbs. oyster shell meal, 20 lbs. corn gluten meal, 10 lbs. dicalcium phosphate, 10 lbs. iodized salt, 5 lbs. fortified sardine oil with 1% wheat germ oil, 0.25 lb. manganese sulphate, 40 lbs. lactoflavin supplement (dried whey, dried skimmed milk, soybean oil meal and lactoflavin concentrate).
	F.	18.65	5.11	58.72	8.05	9.44	5.79	

Eastern States All Mash Egg	G.	15.50	4.00	56.00	.....	.....	5.50	800 lbs. E.S. yellow corn meal, 335 lbs. wheat flour middlings, 330 lbs. wheat bran, 119.75 lbs. E.S. ground oats, 80 lbs. E.S. ground barley, 70 lbs 50% protein meat scraps, 70 lbs. 58% protein fish meal, 50 lbs. alfalfa leaf meal, 50 lbs. 41% protein soybean oil meal, 50 lbs. oyster shell meal, 30 lbs. corn gluten meal, 10 lbs. iodized salt, 5 lbs. fortified sardine oil, 0.25 lb. manganese sulphate.
	F.	17.29	4.86	61.03	7.01	9.81	5.88	
Eastern States Breeder Mash	G.	20.00	4.00	49.00	.....	.....	6.00	400 lbs. E.S. yellow corn meal, 269.5 lbs. E.S. ground oats, 240 lbs. wheat flour middlings, 240 lbs. wheat bran, 150 lbs. 50% protein meat scraps, 150 lbs. 58% protein fish meal, 120 lbs. alfalfa leaf meal, 110 lbs. E.S. ground barley, 80 lbs. 41% protein soybean oil meal, 70 lbs. oyster shell meal, 40 lbs. corn gluten meal, 20 lbs. dicalcium phosphate, 20 lbs. iodized salt, 10 lbs. fortified sardine oil with 1% wheat germ oil, 0.5 lb. manganese sulphate, 80 lbs. lactoflavin supplement (dried whey, dried skimmed milk, soybean oil meal and lactoflavin concentrate).
	F.	21.41	5.46	53.28	10.72	9.13	6.21	
Eastern States Developer	G.	18.50	3.75	52.00	.....	.....	6.50	300 lbs. wheat bran, 300 lbs. E.S. ground oats, 250 lbs. E.S. yellow corn meal, 220 lbs. E.S. ground barley, 204.75 lbs. wheat flour middlings, 120 lbs 41% protein soybean oil meal, 100 lbs. alfalfa leaf meal, 90 lbs. 50% protein meat scraps, 80 lbs. 58% protein fish meal, 80 lbs. dried whey, 80 lbs. cane molasses, 80 lbs. corn gluten meal, 60 lbs. oyster shell meal, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate, 5 lbs. fortified sardine oil with 1% wheat germ oil, 0.25 lb. manganese sulphate.
	F.	19.79	4.48	57.09	9.62	9.02	5.94	
Eastern States Egg Mash	G.	20.00	4.00	49.00	.....	.....	6.50	400 lbs. E.S. yellow corn meal, 300 lbs. wheat bran, 260 lbs. wheat flour middlings, 249.5 lbs. E.S. ground oats, 160 lbs. E.S. ground barley, 140 lbs. 50% protein meat scraps, 140 lbs. 58% protein fish meal, 100 lbs. 41% protein soybean oil meal, 80 lbs. alfalfa leaf meal, 80 lbs. oyster shell meal, 60 lbs. corn gluten meal, 20 lbs. iodized salt, 10 lbs. fortified sardine oil, 0.5 lb. manganese sulphate.
	F.	22.55	5.42	51.35	11.07	9.01	6.26	
Eastern States Fitting Ration ..	G.	14.00	3.50	60.00	.....	.....	8.50	480 lbs. wheat bran, 480 lbs. E.S. ground oats, 359 lbs. E.S. yellow corn meal, 200 lbs. cane molasses, 100 lbs. alfalfa leaf meal, 100 lbs. 41% protein soybean oil meal, 60 lbs. 37% protein old process linseed oil meal, 60 lbs. 20% protein cocoanut oil meal, 60 lbs. E.S. ground barley, 40 lbs. babassu kernel oil meal, 20 lbs. wheat germ middlings, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate, 10 lbs. calcium carbonate, 1 lb. irradiated yeast brewers' type.
	F.	15.59	4.16	63.26	6.71	10.28	7.72	
Eastern States Flushing	G.	18.50	3.00	55.00	.....	.....	4.50	515 lbs. wheat bran, 460 lbs. E.S. yellow corn meal, 360 lbs. dried whey, 360 lbs. dried skimmed milk, 100 lbs. 50% protein meat scraps, 60 lbs. 58% protein fish meal, 60 lbs. ground oat groats, 50 lbs. alfalfa leaf meal, 20 lbs. oyster shell meal, 10 lbs. iodized salt, 5 lbs. fortified sardine oil.
	F.	19.00	3.89	60.33	8.17	8.61	4.01	
Eastern States Fulpail	G.	20.00	4.00	53.00	.....	.....	8.50	260 lbs. wheat bran, 240 lbs. 41% protein soybean oil meal, 240 lbs. corn distillers' dried grains, 220 lbs. E.S. ground oats, 220 lbs. E.S. yellow corn feed meal, 200 lbs. cane molasses, 120 lbs. 20% protein cocoanut oil meal, 120 lbs. corn gluten feed, 100 lbs. E.S. ground barley, 80 lbs. 37% protein old process linseed oil meal, 80 lbs. babassu kernel oil meal, 60 lbs. 41% protein cottonseed meal prime quality, 20 lbs. wheat germ middlings, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate, 10 lbs. calcium carbonate.
	F.	21.89	4.54	56.64	6.92	10.01	7.66	

Manufacturer Brand		Protein	Fat	Carbohydrates	Ash	Moisture	Crude Fiber	Certified by manufacturer to contain
		Pounds in 100 lbs. of Feeding Stuffs						
Eastern States Highland 20	G.	20.00	4.00	54.00	.....	.....	11.50	280 lbs. 41% protein soybean oil meal, 240 lbs. brewers' dried grains, 220 lbs. corn gluten feed, 200 lbs. oat mill feed (oat hulls, oat shorts, oat middlings), 200 lbs. cane molasses, 180 lbs. wheat standard middlings, 160 lbs. corn distillers' dried grains, 120 lbs. 20% protein cocoanut oil meal, 100 lbs. babassu kernel oil meal, 100 lbs. wheat bran, 80 lbs. hominy feed, 60 lbs. E.S. ground barley, 20 lbs. wheat germ middlings, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate, 10 lbs. calcium carbonate.
	F.	21.71	4.38	56.57	7.12	10.22	8.79	
Eastern States Hog Meal	G.	15.00	3.50	58.00	.....	.....	5.00	860 lbs. E.S. yellow corn meal, 500 lbs. E.S. ground barley, 140 lbs. 50% protein meat scraps, 119.5 lbs. wheat flour middlings, 100 lbs. wheat bran, 100 lbs. alfalfa leaf meal, 60 lbs. 32% protein old process linseed meal, 40 lbs. 41% protein soybean oil meal, 40 lbs. calcium carbonate, 20 lbs. dicalcium phosphate, 20 lbs. iodized salt, 0.5 lb. irradiated yeast brewers' type.
	F.	16.29	3.66	61.87	8.05	10.13	5.00	
Eastern States Horse Feed	G.	10.50	3.50	63.00	.....	.....	7.00	780 lbs. E.S. crimped oats, 720 lbs. E.S. yellow cracked corn, 200 lbs. wheat bran, 160 lbs. cane molasses, 100 lbs. 32% protein old process linseed meal, 20 lbs. dicalcium phosphate, 20 lbs. iodized salt.
	F.	11.51	4.05	69.28	3.87	11.29	5.57	
Eastern States Milkmore	G.	24.00	4.50	49.00	.....	.....	8.50	380 lbs. 41% protein soybean oil meal, 260 lbs. corn distillers' dried grains, 220 lbs. wheat bran, 180 lbs. cane molasses, 170 lbs. E.S. ground oats, 160 lbs. 41% protein cottonseed meal prime quality, 160 lbs. 20% protein cocoanut oil meal, 100 lbs. E.S. yellow corn feed meal, 100 lbs. 37% protein old process linseed oil meal, 100 lbs. corn gluten feed, 100 lbs. babassu kernel oil meal, 20 lbs. wheat germ middlings, 20 lbs. calcium carbonate, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate.
	F.	25.17	4.99	52.29	7.57	9.98	7.33	
Eastern States Sixteen	G.	16.00	4.00	57.00	.....	.....	8.00	420 lbs. E.S. yellow corn feed meal, 320 lbs. wheat bran, 240 lbs. E.S. ground oats, 200 lbs. corn distillers' dried grains, 200 lbs. cane molasses, 120 lbs. 20% cocoanut oil meal, 100 lbs. 41% soybean oil meal, 100 lbs. E.S. ground barley, 80 lbs. corn gluten feed, 80 lbs. 37% old process linseed oil meal, 80 lbs. babassu kernel oil meal, 20 lbs. wheat germ middlings, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate, 10 lbs. calcium carbonate.
	F.	17.12	4.71	62.64	5.82	9.71	6.14	
Eastern States Starting and Broiler	G.	18.50	4.00	53.00	.....	.....	5.00	550 lbs. E.S. yellow corn meal, 307.25 lbs. wheat flour middlings, 300 lbs. wheat bran, 200 lbs. ground oat groats, 100 lbs. alfalfa leaf meal, 100 lbs. 50% protein meat scraps, 100 lbs. 58% protein fish meal, 80 lbs. 41% protein soybean oil meal, 60 lbs. cane molasses, 60 lbs. corn gluten meal, 60 lbs. dried whey, 40 lbs. dried skimmed milk, 20 lbs. oyster shell meal, 10 lbs. iodized salt, 10 lbs. dicalcium phosphate, 2.5 lbs. fortified sardine oil with 2% wheat germ oil, 0.25 lb. manganese sulphate.
	F.	20.70	4.65	57.06	7.96	9.63	4.66	
Elmore Milling Co., Oneonta, N. Y.								
Elmore Complete Starter-Broiler	G.	18.00	4.00	55.00	.....	.....	6.00	Yellow corn meal, wheat bran, wheat middlings, oat meal flour, meat and bone meal, soybean oil meal, corn gluten meal, dried buttermilk, dehydrated alfalfa leaf meal, cod liver oil, fish meal, manganese, oyster shell flour, salt.
	F.	20.44	4.17	58.55	7.41	9.43	6.21	

Elmore Egg Mash	G.	20.00	4.00	55.00	.....	.....	8.00	Dried skimmed milk, meat meal, second clear wheat flour, pure ground oats, wheat middlings, corn meal (no. 2 yellow), wheat bran, dehydrated alfalfa leaf meal, fish meal, bone meal, soybean oil meal, cod liver oil, manganese, oyster shell flour, salt.
	F.	21.01	4.38	55.13	9.87	9.61	6.11	
Elmore Growing Mash	G.	17.00	4.00	60.00	.....	.....	8.00	Dried buttermilk, meat meal, low grade wheat flour, fish meal, dehydated alfalfa leaf meal, bone meal, corn meal, pulverized oats, wheat middlings, cod liver oil, wheat bran, soybean oil meal, corn gluten meal, ground barley, manganese, oyster shell flour, salt.
	F.	19.26	4.17	59.11	7.73	9.73	6.67	
Elmore Milk Grains Twenty	G.	20.00	5.50	55.00	.....	.....	10.00	Wheat bran, dried brewers' grains, barley, malt sprouts, cottonseed meal, soybean oil meal, hominy feed, cane molasses, corn distillers' grains, gluten feed, linseed oil meal, dried tomato pulp, wheat middlings, calcium carbonate, salt.
	F.	22.37	6.16	55.86	6.29	9.32	8.12	
Elmore M. A. C. Laying Mash	G.	18.00	5.00	60.00	.....	.....	7.00	Dehydrated alfalfa leaf meal, wheat bran (may contain mill run of screenings), fish meal, wheat middlings, corn meal, dried skimmed milk, ground heavy oats, soybean oil meal, meat scraps, manganese, oyster shell flour, cod liver oil, salt.
	F.	19.35	**4.26**	58.85	7.84	9.70	7.23	
Granger 20% Dairy Ration	G.	20.00	4.00	55.00	.....	.....	11.00	Wheat bran, dried brewers' grains, corn meal or hominy feed, barley, malt sprouts, gluten feed, wheat middlings, cane molasses, ground heavy oats, soybean oil meal, calcium carbonate, salt.
	F.	23.12	3.87	57.40	6.22	9.39	8.65	
John W. Eshelman & Sons, Lancaster, Pa.								
Eshelman Certified 20% Dairy Ration	G.	20.00	4.00	54.00	.....	.....	8.00	380 lbs. corn gluten feed, 340 lbs. hominy feed, 260 lbs. ground oats, 200 lbs. old process linseed oil meal, 200 lbs. wheat bran, 140 lbs. cottonseed meal, 120 lbs. old process soybean oil meal, 100 lbs. wheat middlings, 100 lbs. corn distillers' dried grains, 100 lbs. cane molasses, 20 lbs. steamed bone meal, 20 lbs. calcium carbonate, 20 lbs. salt.
	F.	21.93	4.50	58.25	6.38	8.94	7.16	
Eshelman Challenge Dairy Feed	G.	24.00	4.00	50.00	.....	.....	11.00	Cottonseed meal, wheat bran, corn gluten feed, cane molasses, ground oats, brewers' dried grains, corn distillers' dried grains, corn meal, old process linseed oil meal, old process soybean oil meal, reground grain screenings from wheat, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	26.00	5.04	51.10	9.30	8.56	8.08	
Eshelman Conestoga 20 Dairy Feed	G.	20.00	4.00	55.00	.....	.....	11.00	Cottonseed meal, wheat bran, cane molasses, corn gluten feed, brewers' dried grains, corn distillers' dried grains, old process soybean oil meal, old process linseed oil meal, reground grain screenings from wheat, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	22.59	4.42	55.26	9.07	8.06	9.32	
Eshelman Pennsy Laying Mash	G.	18.00	4.50	50.00	.....	.....	8.00	Corn meal, wheat middlings, meat scraps, wheat bran, ground oats, dehydrated alfalfa meal, old process soybean oil meal, cane molasses, fish meal, corn gluten feed, old process linseed oil meal, fortified cod liver oil, 2½% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	19.87	**4.20**	58.68	8.62	8.63	6.72	
Eshelman Red Rose All Mash Starter	G.	16.00	4.00	55.00	.....	.....	5.50	Corn meal, wheat bran, wheat middlings, oat meal, meat scraps, fish meal, old process soybean oil meal, alfalfa leaf meal, old process linseed oil meal, dried skimmed milk, dried whey, fortified cod liver oil, 2¼% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	19.44	4.99	58.66	9.17	7.74	4.96	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Eshelman Red Rose Breeder Mash	G.	20.00	4.00	50.00	.....	.....	6.50	Corn meal, wheat middlings, wheat bran, ground oats, meat scraps, alfalfa leaf meal, old process soybean oil meal, dried skimmed milk, dried whey, fish meal, 2½% calcium carbonate, 1/80% manganese sulphate, ½% salt, ½% fortified cod liver oil with 1% wheat germ oil.
	F.	21.23	5.01	54.48	10.56	8.72	5.35	
Eshelman Red Rose Broiler Ration	G.	18.00	4.50	55.00	.....	.....	7.50	Corn meal, wheat bran, wheat middlings, corn gluten meal, ground oats, meat scraps, old process soybean oil meal, dehydrated alfalfa meal, dried skimmed milk, dried whey, old process linseed oil meal, fish meal, fortified cod liver oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	20.71	4.62	56.95	8.99	8.73	6.09	
Eshelman Red Rose 16 Dairy Feed	G.	16.00	4.50	55.00	.....	.....	11.00	Wheat bran, brewers' dried grains, corn distillers' dried grains, ground oats, cottonseed meal, corn meal, cane molasses, old process linseed oil meal, corn gluten feed, old process soybean oil meal, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	18.12	4.50	61.64	6.26	9.48	7.92	
Eshelman Red Rose 20 Dairy Feed	G.	20.00	4.00	55.00	.....	.....	11.00	Wheat bran, cottonseed meal, ground oats, corn gluten feed, cane molasses, brewers' dried grains, corn distillers' dried grains, corn meal, old process linseed oil meal, old process soybean oil meal, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	22.68	4.59	56.35	7.01	9.37	7.36	
Eshelman Red Rose Fattening Mash	G.	14.00	4.00	60.00	.....	.....	5.50	Corn meal, hominy feed, ground oats, corn oil meal, wheat red dog, rolled oats, old process soybean oil meal, meat scraps, old process linseed oil meal, dried skimmed milk, dried whey, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	17.51	4.85	61.26	7.27	9.11	4.39	
Eshelman Red Rose Fitting Ration	G.	12.00	3.50	61.00	.....	.....	7.00	Wheat bran, crushed oats, corn meal, hominy feed, old process linseed oil meal, old process soybean oil meal, cane molasses, wheat germ oil, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	15.02	4.76	63.73	6.63	9.86	6.29	
Eshelman Red Rose Flushing Mash	G.	16.50	2.50	55.00	.....	.....	6.50	Corn meal, wheat bran, wheat middlings, dehydrated alfalfa meal, old process soybean oil meal, dried skimmed milk, dried whey, ¼% fortified cod liver oil.
	F.	18.48	3.76	63.57	6.00	8.19	5.07	
Eshelman Red Rose Growing Mash	G.	16.00	4.00	55.00	.....	.....	7.50	Wheat middlings, corn meal, wheat bran, meat scraps, ground oats, corn gluten feed, oat meal, old process soybean oil meal, hominy feed, old process linseed oil meal, fish meal, dried skimmed milk, dried whey, dehydrated alfalfa meal, fortified cod liver oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	18.09	4.97	58.20	8.99	9.15	7.04	
Eshelman Red Rose Laying Mash	G.	20.00	5.00	50.00	.....	.....	7.50	Wheat middlings, corn meal, meat scraps, wheat bran, corn gluten feed, ground oats, old process linseed oil meal, fish meal, old process soybean oil meal, hominy feed, dehydrated alfalfa meal, dried skimmed milk, dried whey, fortified cod liver oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	22.81	5.93	53.52	9.15	8.59	6.80	
Eshelman S-O-S	G.	11.00	2.00	55.00	.....	.....	15.00	Wheat bran, alfalfa meal, brewers' dried grains, cane molasses, dried beet pulp, 1% bone meal, 1% calcium carbonate, 1% salt, dried citrus pulp.
	F.	13.49	2.60	66.79	8.78	8.34	14.03	

Excelsior Milling Co., Minneapolis, Minn.								
Camel Wheat Mixed Feed	G.	15.00	4.00	65.00	.....	.....	8.50	Wheat red dog, wheat middlings, wheat bran.
	F.	15.98	4.29	64.32	5.56	9.85	7.53	
Farm Service Co., Fitchburg, Mass.								
Diamond C Dairy	G.	20.00	4.00	53.00	.....	.....	9.00	Corn meal, hominy, wheat bran, ground oats, corn gluten feed, corn gluten meal, linseed oil meal, cottonseed meal, soybean oil meal, calcium carbonate, salt, with or without molasses.
	F.	20.88	4.60	59.87	6.02	8.63	7.13	
Diamond C Laying Mash	G.	15.00	4.00	55.00	.....	.....	8.50	Corn meal, wheat bran and wheat middlings (both with wheat screenings not exceeding mill run), pulverized oats, ground oats, meat scraps, alfalfa meal, bone meal, salt.
	F.	17.16	5.61	60.68	7.79	8.76	7.16	
Farm Service All Mash	G.	16.00	4.50	50.00	.....	.....	7.00	Corn meal, wheat bran and wheat middlings (both with wheat screenings not exceeding mill run), coarse ground wheat, pulverized oats, oat groats, fine cracked corn, soybean oil meal, dehydrated alfalfa leaf meal, 50% meat scraps, fish meal, cod liver meal, dried whey, dried skimmed milk, oyster shell meal, salt, fortified cod liver oil, manganese sulphate.
	F.	19.13	4.67	59.23	7.68	9.29	4.87	
Farm Service 1940 All Mash	G.	16.00	3.75	55.00	.....	.....	7.00	Corn meal, wheat bran, wheat middlings, soybean oil meal, ground barley, ground oats, ground wheat, dehydrated alfalfa leaf meal, dried skimmed milk, fish meal, meat scraps, salt, calcium carbonate, fortified cod liver oil.
	F.	18.74	4.95	59.44	8.19	8.67	6.22	
Farm Service Breeder Mash	G.	20.00	4.00	50.00	.....	.....	7.00	Corn meal, ground barley, wheat bran with wheat screenings not exceeding mill run, soybean oil meal, corn gluten feed, ground oats, feeding oat meal, dehydrated alfalfa leaf meal, ground wheat, wheat germ meal, 50% meat scraps, fish meal, dried whey, dried skimmed milk, edible bone meal, calcium carbonate, salt, fortified cod liver oil.
	F.	23.84	4.67	55.59	9.79	9.31	5.07	
Farm Service 20% Dairy	G.	20.00	3.50	50.00	.....	.....	10.00	Corn meal, hominy, wheat bran (with wheat screenings not exceeding mill run), corn gluten feed, oat middlings, soybean oil meal, dried brewers' grains, cottonseed meal, linseed oil meal, beet pulp, malt feed, edible bone meal, molasses, calcium carbonate, salt, corn distillers' grains.
	F.	23.95	5.25	55.61	6.01	9.18	7.91	
Farm Service 14% Fitting Ration	G.	14.00	4.00	55.00	.....	.....	10.00	Corn meal, hominy, wheat bran and wheat middlings (both with wheat screenings not exceeding mill run), crushed oats, soybean oil meal, old process oil meal, alfalfa stem meal, fish meal, edible bone meal, calcium carbonate, salt, molasses, fortified cod liver oil.
	F.	15.15	4.39	63.75	6.19	10.52	7.34	
Farm Service Growing Mash	G.	18.00	4.00	55.00	.....	.....	7.00	Corn meal, wheat bran and wheat middlings (both with wheat screenings not exceeeding mill run), corn gluten feed, pulverized oats, dehydrated alfalfa leaf meal, soybean oil meal, ground barley, linseed oil meal, fish meal, meat scraps, dried skimmed milk, dried whey, salt, fortified cod liver oil, manganese sulphate, calcium carbonate.
	F.	20.62	5.05	56.47	9.25	8.61	5.60	

Manufacturer Brand	Pounds in 100 lbs. of Feeding Stuffs	Protein	Fat	Carbohydrates	Ash	Moisture	Crude Fiber	Certified by manufacturer to contain
Farm Service Laying Mash	G.	20.00	5.00	50.00	.....	.....	7.00	Corn meal, wheat bran and wheat middlings (both with wheat screenings not exceeding mill run), corn gluten feed, pulverized oats, dehydrated alfalfa leaf meal, soybean oil meal, ground barley, fish meal, meat scraps, dried skimmed milk, dried whey, calcium carbonate, salt, fortified cod liver oil, manganese sulphate.
	F.	22.24	5.04	52.25	11.02	9.45	5.73	
Farm Service Starter and Broiler Ration	G.	18.00	5.00	60.00	.....	.....	7.00	Corn meal, pulverized oats, ground barley, wheat bran and wheat middlings (both with wheat screenings not exceeding mill run), soybean oil meal, alfalfa meal, 45% meat scraps, fish meal, dried skimmed milk, oyster shell meal, salt, fortified cod liver oil, corn gluten meal.
	F.	18.52	4.70	59.30	8.27	9.21	6.08	
Farm Service Stock Feed	G.	9.00	3.00	65.00	.....	.....	12.00	Corn meal, hominy, wheat middlings, red dog, ground barley, oat middlings, molasses, calcium carbonate, salt.
	F.	10.68	3.94	70.78	4.96	9.64	9.83	
N. E. C. Laying Mash	G.	16.00	3.75	50.00	.....	.....	8.00	Corn meal, wheat bran, wheat middlings, ground oats, alfalfa meal, soybean oil meal, dried skimmed milk, meat scraps, fish meal, calcium carbonate, salt, fortified cod liver oil, manganese sulphate.
	F.	18.39	5.41	57.53	9.18	9.49	5.60	
Special Cow Ration	G.	20.00	4.00	60.00	.....	.....	12.00	Wheat bran, corn meal, hominy, ground oats, pulverized oats, corn gluten feed, cottonseed meal, linseed oil meal, soybean oil meal, dried brewers' grains, salt, molasses, calcium carbonate.
	F.	20.92	4.71	58.79	5.21	10.37	7.56	
Service Ration	G.	21.00	4.00	50.00	.....	.....	9.00	Corn meal, hominy, cottonseed meal, linseed oil meal, corn gluten feed, wheat bran, wheat middlings, ground oats, soybean oil meal, bone meal, calcium carbonate, salt, with or without molasses.
	F.	22.20	4.81	58.57	5.66	8.76	8.01	
Federal Mill, Lockport, N. Y.								
Dairy Maid Brand	G.	13.50	3.50	57.00	.....	.....	13.00	Soft winter wheat.
	F.	14.58	4.40	65.67	6.56	8.79	9.98	
Dairy Maid Mixed Feed	G.	13.00	3.50	57.00	.....	.....	9.50	Winter wheat bran and winter wheat middlings with ground wheat screenings not exceeding mill run.
	F.	15.85	3.95	65.49	4.86	9.85	6.40	
Lucky Hard Wheat Bran	G.	15.00	3.50	50.00	.....	.....	12.00	Hard wheat.
	F.	17.77	4.96	60.79	6.11	10.37	9.99	
Lucky Hard Wheat Mixed Feed	G.	15.50	3.50	56.00	.....	.....	9.50	Hard wheat bran and hard wheat middlings with ground wheat screenings not exceeding mill run.
	F.	17.00	4.69	62.05	4.92	10.74	7.71	
Lucky Standard Middlings	G.	16.00	4.00	56.00	.....	.....	9.50	With ground wheat screenings not exceeding mill run.
	F.	18.56	5.14	62.12	4.20	9.98	6.82	
Lucky Wheat Red Dog	G.	15.00	2.50	58.00	.....	.....	4.00	
	F.	16.24	3.31	67.53	2.18	10.74	2.37	

First National Stores, Somerville, Mass.								
Henfield Egg Mash	G.	20.00	4.00	50.00	.....	.....	7.00	Fortified cod liver oil, meat scraps, fish meal, dried skimmed milk, alfalfa meal, pulverized oats, hominy or corn meal, wheat middlings, wheat bran, wheat flour middlings, corn gluten feed, soybean oil meal, 1% steamed bone meal, calcium carbonate, ½% salt.
	F.	21.76	5.08	52.29	11.73	9.14	6.74	
Fruen Milling Co., Minneapolis, Minn.								
Fruen's Standard Pulverized and Bolted White Oats	G.	12.00	3.00	63.00	.....	.....	13.00	White oats.
	F.	13.31	3.06	70.95	3.50	9.18	10.23	
J. B. Garland & Son, Worcester, Mass.								
Garland Stock Feed	G.	8.50	4.00	50.00	.....	.....	12.00	Ground corn, ground oats, hominy feed, oat hulls, oat middlings, oat shorts, calcium carbonate, salt.
	F.	10.11	4.19	72.16	5.93	7.61	11.56	
Royal 20% Dairy Ration	G.	20.00	4.00	55.60	.....	.....	11.00	Distillers' dried grains, corn gluten feed, soybean oil meal, linseed oil meal, wheat and wheat bran processed, cottonseed meal, ground corn, ground oats, molasses, calcium carbonate, salt.
	F.	22.81	5.07	56.01	6.78	9.33	9.09	
Royal Laying Mash	G.	18.00	3.00	50.00	.....	.....	8.00	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, fish meal, meat scraps, corn gluten meal, wheat bran, wheat middlings, ground oats, ground barley, ground wheat, corn meal, calcium carbonate, manganese sulphate, salt.
	F.	17.56	4.97	59.27	9.51	8.79	6.96	
General Mills, Minneapolis, Minn.								
Washburn's Gold Medal Hard Wheat Bran	G.	14.00	3.50	63.00	.....	.....	12.60	Hard wheat bran, mill run cleaned ground wheat screenings.
	F.	15.72	3.88	68.21	6.65	10.54	10.05	
Washburn's Gold Medal Hard Wheat Standard Middlings	G.	15.00	4.00	62.50	.....	.....	9.50	Hard wheat standard middlings, mill run cleaned ground wheat screenings.
	F.	18.12	4.19	63.93	4.19	9.57	7.54	
Glidden Co., Chicago, Ill.								
Glidden 4 hi Brand Soybean Oil Meal	G.	44.00	0.50	29.00	.....	.....	7.00	
	F.	46.84	0.91	37.51	5.57	9.17	5.66	
Golden Eagle Milling Co., Petaluma, Calif.								
Peebles Lacto-G Dried Whey	G.	12.00	0.50	.....	.....	.....	.....	Dried whey.
	F.	11.86	0.81	71.41	10.49	5.43	.....	
Gorton-Pew Fisheries Co., Gloucester, Mass.								
Gorton's Red Fish Meal	G.	55.00	5.00	.....	.....	.....	2.00	
	F.	57.31	8.79	.....	25.64	7.19	.....	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs: Protein	Fat	Carbohydrates	Ash	Moisture	Crude Fiber	Certified by manufacturer to contain
Grafton County Feed Co., North Haverhill, N. H.								
Our Mix Dairy Ration	G.	22.00	4.50	53.00	.....	.....	8.00	Hominy feed, pure wheat bran, brewers' dried grains, 41% cottonseed meal, standard wheat middlings, corn gluten feed, soybean oil meal or old process linseed oil meal, molasses, salt, edible bone meal, calcium carbonate.
	F.	23.16	5.06	55.03	7.63	9.12	8.09	
D. H. Grandin Milling Co. Jamestown, N. Y.								
Grandin's Broiler Mash	G.	20.00	4.00	57.00	.....	.....	8.00	Fortified cod liver oil, dried buttermilk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground wheat, feeding oat meal, ground yellow corn, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	21.49	4.86	53.55	10.45	9.64	6.25	
Grandin's Complete Egg Maker Ration	G.	15.00	4.00	60.00	.....	.....	8.00	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	16.20	4.57	62.58	7.12	9.73	5.71	
Grandin's 16 Dairy Feed	G.	16.00	4.00	58.00	.....	.....	10.00	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, wheat bran and wheat middlings (with mill run wheat screenings), yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	17.16	4.56	62.15	6.89	9.24	7.68	
Grandin's 20 Dairy Feed	G.	20.00	4.00	55.00	.....	.....	10.00	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, wheat bran and wheat middlings (mill run wheat screenings), yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	21.58	4.22	57.65	6.97	9.58	6.76	
Grandin's 24 Dairy Feed	G.	24.00	4.00	50.00	.....	.....	10.00	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, wheat bran and wheat middlings (with mill run wheat screenings), yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	25.52	4.49	53.36	8.05	8.58	7.33	
Grandin's 14 Fitting Ration	G.	14.00	4.00	65.00	.....	.....	9.00	Fortified cod liver oil, cane molasses, fish meal, soybean oil meal, linseed oil meal, wheat bran, wheat middlings, yellow corn meal, hominy feed, crushed oats, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	16.20	4.69	61.78	6.57	10.76	6.39	
Grandin's Green Feed	G.	10.00	1.00	50.00	.....	.....	25.00	Alfalfa meal, dried beet pulp, cane molasses.
	F.	11.42	1.39	70.97	7.38	8.84	23.72	
Grandin's Laying Mash	G.	20.00	4.00	50.00	.....	.....	8.00	Fortified cod liver oil, dried buttermilk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	21.01	4.00	53.92	11.83	9.24	7.09	

Grandin's Market Egg Mash	G.	20.00	3.50	50.00	.....	.....	8.00	Fortified cod liver oil, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	20.79	4.28	54.60	11.66	8.67	6.36	
Grandin's Milk Maker	G.	20.00	4.50	55.00	.....	.....	10.00	Dried beet pulp, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, wheat bran and wheat middlings (with mill run wheat screenings), yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	22.16	5.91	57.30	6.58	8.05	9.29	
Grandin's Pig and Hog Ration	G.	18.00	4.00	57.00	.....	.....	10.00	Fortified cod liver oil, meat scraps, fish meal, soybean oil meal, linseed oil meal, alfalfa meal, wheat middlings (with mill run wheat screenings), yellow corn meal, corn feed meal, hominy feed, ground barley, calcium carbonate, salt, potassium iodide.
	F.	22.06	5.09	53.80	10.67	8.38	6.93	
Grandin's Start-To-Finish Mash, Starter-Grower-Layer	G.	16.00	4.00	58.00	.....	.....	7.00	Fortified cod liver oil, dried buttermilk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground wheat, ground yellow corn, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	19.09	4.36	58.81	8.16	9.58	7.42	
Grandin's Stock Feed	G.	9.00	4.00	70.00	.....	.....	12.00	Hominy feed, corn meal, corn feed meal, ground oats, ground barley, oat mill feed (oat hulls, oat shorts, oat middlings), steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	9.54	5.30	71.80	6.37	7.19	11.06	
Grandin's Twin Six Dairy Feed	G.	22.00	4.50	55.00	.....	.....	10.00	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, alfalfa meal wheat bran and wheat middlings (with mill run wheat screenings), yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	24.34	5.32	55.47	6.12	8.75	8.53	
Money Saver Broiler Mash	G.	20.00	4.00	50.00	.....	.....	8.00	Fortified cod liver oil, dried buttermilk, dried whey, meat scraps, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, wheat bran, wheat middlings, yellow corn meal, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	21.54	4.31	55.42	9.28	9.45	6.61	
Money Saver Commercial Egg Mash	G.	18.00	4.00	50.00	.....	.....	8.00	Fortified cod liver oil, dried buttermilk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten feed, alfalfa leaf meal, wheat bran, wheat middlings, yellow corn meal, corn feed meal, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	21.19	3.64	54.40	11.79	8.98	7.02	
Money Saver 20 Dairy Feed	G.	20.00	3.50	50.00	.....	.....	12.00	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, brewers' dried grains, wheat bran, wheat middlings, ground wheat screenings, corn feed meal, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	22.59	3.59	36.38	7.75	9.69	7.40	
Money Saver 24 Dairy Feed	G.	24.00	3.50	50.00	.....	.....	12.00	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, brewers' dried grains, wheat bran, wheat middlings, ground wheat screenings, corn feed meal, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	26.53	3.94	51.59	9.09	8.85	7.16	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs: Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	Certified by manufacturer to contain
Money Saver Egg Mash	G.	18.00	3.50	50.00	.....	.....	8.00	Fortified cod liver oil, flavin concentrate, meat scraps, soybean oil meal, corn gluten feed, alfalfa meal, wheat bran, wheat middlings, yellow corn meal, corn feed meal, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	20.18	3.61	56.58	11.04	8.59	7.65	
Money Saver Growing Mash	G.	15.00	4.00	55.00	.....	.....	8.00	Fortified cod liver oil, dried buttermilk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten feed, alfalfa leaf meal, wheat bran, wheat middlings, yellow corn meal, corn feed meal, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	16.85	4.25	59.65	9.49	9.76	6.91	
Great Atlantic & Pacific Tea Co., New York, N. Y.								
Daily Egg Laying Mash Feed	G.	20.00	3.75	56.00	.....	.....	7.00	Corn feed meal, wheat standard middlings, meat and bone scrap, ground barley, soybean oil meal, wheat bran, alfalfa meal, ground oats, fish meal, wheat flour middlings, corn gluten meal, 2¾% calcium carbonate from limestone, dried skimmed milk, old process linseed oil meal, 1¾% steamed bone meal, dried buttermilk, ½% salt, vitamin A and D feeding oil, 0.015% manganese sulphate, 0.0015% potassium iodide.
	F.	21.14	4.56	55.32	10.22	8.76	6.21	
Daily Growth Chick Starter	G.	17.00	4.50	56.50	.....	.....	4.50	Ground yellow corn, wheat standard middlings, meat and bone scrap, ground oat groats, ground oats, alfalfa leaf meal, dried buttermilk, fish meal, wheat low grade feed flour, old process linseed oil meal, 1% calcium carbonate from limestone, ½% steamed bone meal, ½% iodized salt, vitamin A and D feeding oil, 0.015% manganese sulphate.
	F.	18.82	4.57	58.16	8.47	9.98	4.41	
Daily Milk Dairy Feed 16%	G.	16.00	3.00	58.00	.....	.....	12.00	Cleaned ground and bolted screenings from wheat, oats, barley and flax, cane molasses, ground and bolted clipped oat by-products, corn gluten feed, cottonseed meal, wheat bran, soybean oil meal, old process linseed oil meal, corn gluten meal, wheat standard middlings, malt sprouts, 1% calcium carbonate from limestone, 1% iodized salt.
	F.	17.47	4.23	58.98	10.53	8.79	10.97	
Milky Way Dairy Feed 20%	G.	20.00	2.75	56.00	.....	.....	9.60	Wheat standard middlings, wheat bran, cane molasses, cottonseed meal, soybean oil meal, malt sprouts, corn gluten feed, corn gluten meal, ground barley, old process linseed oil meal, ground oats, brewers' dried grains, corn feed meal, 1% calcium carbonate from limestone, 1% iodized salt.
	F.	20.97	3.64	58.28	8.17	8.94	7.24	
Milky Way Dairy Feed 24%	G.	24.00	2.75	52.00	.....	.....	9.00	Soybean oil meal, wheat standard middlings, corn gluten meal, cane molasses, wheat bran, cottonseed meal, corn gluten feed, ground oats, malt sprouts, dried grains from barley, malt and corn, old process linseed oil meal, corn feed meal, ground barley, 1% calcium carbonate from limestone, 1% iodized salt.
	F.	25.66	3.56	54.17	7.68	8.93	7.03	
Hales & Hunter Co., Chicago, Ill.								
Red Comb Balancer	G.	26.00	5.00	43.00	.....	.....	8.00	Dried buttermilk, dried whey, meat scraps, soybean oil meal, corn gluten meal, corn gluten feed, alfalfa meal, wheat bran, wheat middlings standard, fish meal, 2% calcium carbonate (ground limestone), 1% salt, ½% granulated charcoal, 0.05% manganese sulphate, fortified cod liver oil (containing 3000 vitamin A units and 400 vitamin D chick units per gram).
	F.	30.29	4.89	44.52	13.17	7.13	6.11	

Hecker Products Corp., Buffalo, N. Y.								
Oat Mill Feed	G.	6.00	1.50	72.00	.....	.....	28.00	Oat meal by-products, oat middlings, oat shorts, oat hulls.
	F.	6.57	2.17	76.73	6.74	7.79	26.19	
Heywood Milling Co., Jackson, Mich.								
Heywood Feed Pure Bran	G.	14.50	3.50	55.00	.....	.....	10.00	Winter wheat, no ground screenings.
	F.	14.89	4.76	64.50	6.19	9.66	9.39	
Heywood Middlings	G.	15.50	4.50	60.00	.....	.....	6.50	With ground screenings not exceeding mill run.
	F.	15.50	4.32	66.73	3.74	9.71	5.37	
Holly Feedstuffs Co., Minneapolis, Minn.								
Holly Durum Wheat Feed	G.	16.00	5.00	.....	.....	.....	8.00	Wheat low grade flour, wheat red dog, wheat middlings, wheat bran, wheat screenings not exceeding mill run.
	F.	17.51	5.36	64.03	4.26	8.84	7.57	
Hood Mills Co., Baltimore, Md.								
Fine Ground Feeding Oat Meal	G.	14.00	5.00	.....	.....	.....	4.00	Made from feed oats containing other cereals.
	F.	15.41	5.55	63.39	6.01	9.64	**5.34**	
E. C. & W. L. Hopkins, Greenfield, N. H.								
Cheshire Mash	G.	18.00	4.00	50.00	.....	.....	7.00	Dried skimmed milk, wheat bran, corn meal, corn gluten feed, beef scraps, wheat middlings, alfalfa meal, ground oats, calcium carbonate, salt, tested concentrated fish oil.
	F.	19.66	5.04	55.39	10.90	9.01	6.89	
Granite State Breeder Mash	G.	20.00	4.00	50.00	.....	.....	6.00	Corn meal, wheat middlings, wheat bran, meat scraps, vacuum dried fish meal, dried skimmed milk, kelp, alfalfa leaf meal, ground oats, soybean meal, flavin concentrate, concentrated anti-rachitic oil, animal liver meal, calcium carbonate, manganese sulphate, salt.
	F.	21.36	5.62	52.93	10.39	9.70	5.95	
Granite State Chick Starter	G.	20.00	4.00	50.00	.....	.....	6.00	Corn meal, wheat bran, wheat middlings, pulverized oats, soybean meal, flavin concentrate, meat scraps, alfalfa leaf meal, kelp, vacuum dried fish meal, concentrated anti-rachitic oil, calcium carbonate, dried skimmed milk, gluten meal, manganese sulphate, animal liver meal.
	F.	22.35	5.40	52.14	11.35	8.96	5.85	
Granite State Complete Mash	G.	15.00	4.00	53.00	.....	.....	7.00	Corn meal, ground oats, wheat bran, wheat middlings, alfalfa leaf meal, soybean meal, kelp, dried skimmed milk, meat scraps, vacuum dried fish meal, flavin concentrate, animal liver meal, calcium carbonate, manganese sulphate, concentrated anti-rachitic oil, salt.
	F.	16.38	5.18	59.95	8.17	10.32	6.16	
Granite State 20% Dairy Feed	G.	20.00	4.00	50.00	.....	.....	11.00	Corn meal, gluten feed, cottonseed meal, old process linseed meal, malt grains, wheat bran, soybean meal, distillers' grains, molasses, bone meal, kelp, calcium carbonate, salt.
	F.	22.68	4.80	56.04	7.20	9.28	7.36	
Granite State 24% Dairy Feed	G.	24.00	4.00	48.00	.....	.....	10.00	Gluten feed, corn meal, old process linseed meal, wheat bran, cottonseed meal, molasses, ground oats, distillers' grains, soybean meal, browers' grains, bone meal, calcium carbonate, kelp, salt.
	F.	27.97	4.36	50.21	8.43	9.33	7.21	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs					Crude Fiber	Certified by manufacturer to contain
		Protein	Fat	Carbohydrates	Ash	Moisture		
Granite State Egg Mash	G.	19.00	4.00	50.00	.....	.....	5.50	Dried skimmed milk, ground whole oats, ground whole corn, wheat middlings, wheat bran, gluten meal, meat scraps, alfalfa leaf meal, Pacific coast kelp, vacuum dried fish meal, calcium carbonate, concentrated anti-rachitic feeding oil, soybean meal, salt.
	F.	19.83	5.11	54.01	10.99	9.46	5.70	
Granite State Fitting Ration	G.	12.00	3.50	54.00	.....	.....	8.00	Wheat bran, wheat middlings, corn meal, hominy molasses, ground oats, old process oil meal, soybean meal, calcium carbonate, kelp.
	F.	16.77	4.20	62.46	5.98	10.59	6.76	
Granite State Growing Mash	G.	19.00	4.00	53.00	.....	.....	6.00	Corn meal, wheat bran, wheat middlings, soybean meal, alfalfa leaf meal, ground oats, meat scraps, dried skimmed milk, kelp, vacuum dried fish meal, calcium carbonate, concentrated anti-rachitic oil, manganese sulphate, flavin concentrate, salt.
	F.	19.44	5.39	55.07	11.03	9.07	6.09	
Granite State Horse Feed	G.	10.00	4.00	65.00	.....	.....	8.00	Crimped heavy oats, wheat bran, cracked corn, old process oil meal, cane molasses, salt.
	F.	13.40	3.76	67.88	3.94	11.02	5.73	
Granite State Mixed Feed	G.	15.00	4.00	55.00	.....	.....	8.50	Wheat bran, wheat red dog (bran may contain ground screenings not exceeding mill run).
	F.	16.94	4.96	62.32	5.21	10.57	7.89	
Granite State Stock Feed	G.	9.00	5.00	69.00	.....	.....	10.00	Fine white hominy, wheat red dog, oat by-products, oat middlings, oat hulls, oat shorts, ½% salt.
	F.	9.19	**3.98**	71.90	4.96	9.97	9.37	
New Hampshire Laying Mash	G.	17.50	4.00	52.00	.....	.....	8.00	Corn meal, soybean meal, dried skimmed milk, meat scraps, vacuum dried fish meal, wheat bran, wheat middlings, ground oats, alfalfa leaf meal, calcium carbonate, salt, manganese sulphate, concentrated anti-rachitic oil.
	F.	18.82	5.33	57.24	9.31	9.30	6.24	
20% Open Formula Dairy Feed	G.	20.00	4.50	53.00	.....	.....	8.00	460 lbs. yellow hominy, 400 lbs. wheat bran, 260 lbs. dried distillers' grains, 200 lbs. corn gluten feed, 200 lbs. 41% cottonseed, 200 lbs. soybean meal, 140 lbs. molasses, 100 lbs. ground oats, 20 lbs. dicalcium phosphate, 20 lbs. salt.
	F.	23.07	**4.13**	57.70	5.87	9.93	6.22	
Page Dairy	G.	21.00	4.00	52.00	.....	.....	9.00	Corn meal or hominy, ground oats, wheat bran, dried corn, distillers' grains, corn gluten feed, 41% cottonseed meal, soybean oil meal, molasses, bone meal, calcium carbonate, salt, linseed oil meal.
	F.	24.69	4.79	53.89	7.64	8.99	7.89	
Red Tag Open Formula Dairy Feed	G.	20.00	4.00	53.00	.....	.....	12.00	400 lbs. distillers' corn dried grains, 300 lbs. oat feed, 260 lbs. yellow hominy feed, 260 lbs. 41% cottonseed, 200 lbs. cane molasses, 200 lbs. corn gluten feed, 180 lbs. soybean oil meal, 100 lbs. wheat bran, 20 lbs. oyster shell meal, 20 lbs. salt.
	F.	22.37	**3.70**	58.46	6.34	9.13	9.96	
Swain's Dairy Feed	G.	20.00	4.00	55.00	.....	.....	9.00	Oil meal, cottonseed meal, corn meal, corn gluten meal, ground oats, wheat bran, dried beet pulp, calcium carbonate, salt, molasses.
	F.	24.52	**3.42**	56.73	6.43	8.90	6.95	

Hubbard Milling Co., Monkato, Minn.								
Hubbard's Sunshine Concentrate	G.	32.00	4.50	40.00	.....	.....	7.00	Copra meal (dried cocoanut meats), peanut oil meal, powdered buttermilk, cod liver meal, soybean oil meal, wheat germ meal, fish meal, old process linseed oil meal, pure wheat flour middlings, alfalfa leaf meal (not to exceed 3%), cottonseed on meal, mineral content not to exceed 5%, special bone meal, potassium iodide, iron oxide, copper sulphate, sodium bicarbonate, calcium carbonate, 1% salt.
	F.	32.62	**4.00**	41.73	13.20	8.45	6.45	
Humphreys-Godwin Co., Monkato, Minn.								
Dixie Brand Choice Prime Cottonseed Meal	G.	41.00	5.00	26.00	.....	.....	12.00	Made from pressed cottonseed.
	F.	**38.82**	6.97	40.62	6.35	7.24	11.16	
International Milling Co., Minneapolis, Minn.								
Blackhawk Standard Wheat Bran	G.	15.00	3.20	62.00	.....	.....	12.00	With ground screenings not exceeding mill run.
	F.	18.52	5.20	61.23	5.66	9.39	8.91	
Blackhawk Wheat Standard Middlings	G.	16.00	4.50	60.50	.....	.....	8.50	With ground screenings not exceeding mill run.
	F.	17.82	5.25	62.62	5.18	9.13	9.14	
Ralph P. Johnson & Son, Potter Place, N. H.								
Johnson's Chick Starter	G.	16.00	3.00	50.00	.....	.....	10.00	Corn meal, wheat bran, wheat middlings, feeding oat meal, meat scraps, dried skimmed milk, alfalfa meal, fish meal, soybean meal, calcite flour, manganese sulphate, cod liver oil, 1% salt.
	F.	19.70	4.74	56.44	9.30	9.82	4.43	
Johnson's Dairy Feed	G.	16.00	3.00	50.00	.....	.....	9.00	Corn meal, linseed meal, cottonseed meal, ground oats, wheat bran, gluten feed, 1% salt.
	F.	20.00	3.29	58.45	8.23	10.03	5.86	
Johnson's Growing Mash	G.	14.00	3.50	50.00	.....	.....	8.00	Corn meal, wheat bran, wheat middlings, ground oats, dried skimmed milk, fish meal, meat scraps, alfalfa meal, soybean meal, gluten feed, calcite flour, cod liver oil, manganese sulphate, 1% salt.
	F.	17.69	4.53	58.83	8.08	10.87	5.14	
Johnson's Mash Feed	G.	17.00	4.00	50.00	.....	.....	7.00	Corn meal, ground oats, wheat middlings, wheat bran, meat scraps, gluten feed, alfalfa meal, charcoal, soybean meal, dried skimmed milk, calcite flour, bone meal, cod liver oil, 1% salt.
	F.	17.95	3.89	59.27	9.63	9.26	5.20	
Kasco Mills, Waverly, N. Y.								
Beatsall Milk Grains	G.	22.00	4.00	50.00	.....	.....	10.00	Wheat bran, wheat middlings, linseed oil meal, corn distillers' grains, corn gluten feed, corn gluten meal, cottonseed meal, soybean oil meal, hominy feed, ¾% salt, 1% calcite, beet pulp, molasses.
	F.	24.34	4.14	54.80	7.78	8.94	7.29	
Kasco All Mash Chick Starter	G.	17.00	4.00	55.00	.....	.....	6.00	Wheat red dog, oat meal, wheat middlings, wheat bran, corn meal, scraps, fish meal, bone meal, linseed oil meal, soybean oil meal, pulverized oats, dried skimmed milk, dried whey, lactoflavin concentrate, ½% salt, tested cod liver oil, calcite, alfalfa leaf meal, 0.0063% manganese sulphate.
	F.	19.44	5.26	58.49	7.51	9.30	5.54	
Kasco All Mash Grower	G.	14.00	4.00	55.00	.....	.....	7.00	Wheat red dog, pulverized oats, oat meal, wheat middlings, wheat bran, corn meal, meat scraps, fish meal, bone meal, linseed oil meal soybean oil meal, dried skimmed milk, dried whey, lactoflavin concentrate, ½% salt, tested cod liver oil, calcite, alfalfa leaf meal.
	F.	15.41	4.84	62.83	6.46	10.46	5.75	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Kasco All Mash Laying and Breeding Ration	G.	15.00	4.00	55.00	.....	.....	6.50	Corn meal, pulverized oats, oat meal, wheat bran, wheat middlings, wheat red dog, linseed oil meal, soybean oil meal, ground barley, meat scraps, bone meal, fish meal, dried skimmed milk, dried whey, lactoflavin concentrate, ½% salt, calcite, tested cod liver oil, alfalfa leaf meal, 0.0063% manganese sulphate.
	F.	16.90	4.75	59.45	8.62	10.28	5.29	
Kasco Broiler Ration	G.	18.00	4.00	50.00	.....	.....	7.50	Wheat bran, wheat middlings, wheat red dog, linseed oil meal, corn gluten meal, corn meal, ground oat meal, pulverized oats, meat scraps, bone meal, alfalfa leaf meal, dried whey, lactoflavin concentrate, dried skimmed milk, tested cod liver oil, salt, calcite, soybean oil meal, fish meal, 0.0063% manganese sulphate.
	F.	21.89	4.86	56.39	7.34	9.52	6.54	
Kasco Egg Producer	G.	20.00	4.00	50.00	.....	.....	7.50	Wheat bran wheat middlings, corn meal, linseed oil meal, soybean oil meal, pulverized oats, ground barley, meat scraps, bone meal, fish meal, dried skimmed milk, dried whey, lactoflavin concentrate, ¾% salt, calcite, 0.0125% manganese sulphate, tested cod liver oil, alfalfa meal.
	F.	22.42	4.92	52.19	10.78	9.69	6.37	
Kasco Fitting Ration	G.	14.00	3.50	55.00	.....	.....	8.00	Wheat bran, corn feed meal, hominy feed, ground barley, crushed oats, ground oats, linseed oil meal, soybean oil meal, cane molasses, bone meal, 1% salt, calcite.
	F.	14.00	**3.17**	64.38	6.40	12.05	5.93	
Kasco Laying and Breeding Mash	G.	20.00	4.00	50.00	.....	.....	7.50	Wheat bran, wheat middlings, wheat red dog, corn meal, linseed oil meal, soybean oil meal, pulverized oats, ground oat meal, meat scraps, bone meal, fish meal, dried skimmed milk, dried whey, lactoflavin concentrate, ¾% salt, calcite, tested cod liver oil, alfalfa leaf meal, 0.0125% manganese sulphate.
	F.	22.55	5.24	54.89	8.87	8.45	6.65	
Kasco Open Formula 20% Dairy Ration	G.	20.00	3.50	50.00	.....	.....	10.00	250 lbs. wheat bran, 125 lbs. wheat middlings, 100 lbs. hominy feed, 150 lbs. ground barley, 50 lbs. ground oats, 100 lbs. malt sprouts, 150 lbs. dried brewers' grains, 50 lbs. corn distillers' grains, 350 lbs. corn gluten feed, 275 lbs. soybean oil meal, 100 lbs. 41% cottonseed meal, 250 lbs. cane molasses, 25 lbs. salt, 25 lbs. calcite.
	F.	21.45	3.79	57.86	7.09	9.81	7.28	
Kasco Pig Hog Feed	G.	17.00	4.00	55.00	.....	.....	8.00	Wheat red dog, fine ground barley, corn meal, linseed oil meal, soybean oil meal, wheat middlings, corn germ meal, fish meal, digester tankage, ½% salt, 1% calcite, red oxide of iron, 0.005% potassium iodide, choice alfalfa meal.
	F.	18.74	5.37	60.30	6.50	9.09	6.86	
Kasco Poultry Flushing Mash	G.	17.00	3.50	55.00	.....	.....	6.00	Wheat red dog, oat meal, wheat middlings, wheat bran, corn meal, pulverized oats, meat scraps, fish meal, bone meal, linseed oil meal, soybean oil meal, dried whey, lactoflavin concentrate, ½% salt, tested cod liver oil, calcite, alfalfa leaf meal.
	F.	17.95	3.90	60.30	9.35	8.50	5.81	
Kasco Stock Feed	G.	9.00	5.00	60.00	.....	.....	10.00	White hominy, wheat red dog, oat mill feed (oat middlings, oat shorts, oat hulls), ½% salt.
	F.	11.99	5.23	69.29	4.76	8.73	9.31	
Kasco Sweet 16% Dairy Feed	G.	16.00	3.50	50.00	.....	.....	12.00	Wheat bran, corn gluten feed, corn gluten meal, cottonseed meal, soybean oil meal, ground oats, ground barley, ground wheat screenings, corn meal, oat mill feed (oat middlings, oat hulls, oat shorts), malt sprouts, dried brewers' grains, corn distillers' grains, molasses, 1% salt, 1% calcite.
	F.	17.90	3.88	60.19	8.44	9.59	9.82	

King Midas Flour Mills, Minneapolis, Minn.								
Arrowhead Pure Wheat Bran ..	G.	15.00	4.00	50.00	.....	.....	12.00	
	F.	15.80	5.78	63.40	5.35	9.67	11.29	
Snowball Wheat Flour Middlings	G.	16.00	4.00	61.00	.....	.....	6.00	Red dog wheat flour, wheat standard middlings, ground cleaned wheat screenings not exceeding mill run.
	F.	18.56	4.67	62.88	3.56	10.33	4.83	
Kraft Cheese Co., Chicago, Ill.								
Ward's Dried Skim Milk	G.	32.00	1.00	40.00	.....	.....	.....	Made from liquid skimmed milk.
	F.	36.42	**0.75**	49.69	8.21	4.93	.....	
Charles A. Krause Milling Co. Milwaukee, Wis.								
Badger White Hominy Feed	G.	10.00	6.00	68.00	.....	.....	6.00	Made from white corn.
	F.	12.34	6.44	69.29	3.10	8.83	5.47	
Kuiper and Bolle, New York, N. Y.								
Kay-Bee Brand Linseed Meal ..	G.	32.00	5.00	.....	.....	.....	10.00	Linseed meal.
	F.	33.67	5.93	46.55	5.28	8.57	8.40	
Lake of the Woods Milling Co. Montreal, Canada								
Lakewoods Wheat Bran	G.	15.00	3.50	53.00	.....	.....	11.50	
	F.	16.85	4.91	61.71	6.04	10.49	11.42	
Lakewoods Wheat Shorts	G.	16.00	5.00	56.00	.....	.....	8.00	
	F.	18.60	5.82	60.38	4.69	10.51	8.00	
Lakeside Milling Co., Toronto, Canada								
Sea Gull Wheat Bran	G.	15.00	3.50	51.00	.....	.....	11.50	
	F.	17.42	5.28	61.20	5.69	10.41	10.37	
Larrowe Milling Co., Detroit, Mich.								
Larro Broiler Feed	G.	20.00	3.50	54.50	.....	.....	7.00	Yellow corn meal, wheat standard middlings, corn gluten meal, alfalfa meal, wheat bran, meat and bone scrap, soybean oil meal, fish meal, ground oats, dried buttermilk, dried skimmed milk, dried whey, fortified cod liver oil, 2% limestone, ½% salt, 0.01% manganese dioxide.
	F.	21.54	4.08	58.73	6.71	8.94	6.29	
Larro 16 Dairy Feed	G.	16.00	3.00	63.00	.....	.....	11.00	Cottonseed meal, corn gluten feed, corn distillers' dried grains, wheat standard middlings, old process linseed oil meal, dried beet pulp, yellow corn meal, wheat bran, 1% salt.
	F.	16.90	3.44	65.17	5.20	9.29	10.21	
Larro 32 Dairy Feed	G.	32.00	4.00	48.50	.....	.....	10.50	Cottonseed meal, wheat bran, soybean oil meal, corn distillers' dried grains, dried beet pulp, old process linseed oil meal, 1% limestone, 2% salt.
	F.	33.10	5.11	45.52	8.93	7.34	8.41	
Larro Egg Mash	G.	20.00	4.00	52.50	.....	.....	7.50	Wheat bran, yellow corn meal, wheat standard middlings, ground barley, meat and bone scrap, soybean oil meal, fish meal, alfalfa meal, dried buttermilk, dried skimmed milk, dried whey, ground oats, fortified cod liver oil, 2½% limestone, ½% salt, 0.01% manganese dioxide.
	F.	20.70	4.57	56.59	9.26	8.88	5.91	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Larro Pig and Hog Builder	G.	17.50	4.00	56.50	.....	.....	7.50	Wheat bran, yellow corn meal, wheat standard middlings, fish meal, meat and bone scrap, old process linseed oil meal, soybean oil meal, alfalfa meal, dried beet pulp, 1¾% limestone, ¾% salt.
	F.	19.17	4.40	59.23	7.64	9.56	7.69	
Larro, the Ready Ration	G.	20.00	3.75	57.00	.....	.....	12.00	Cottonseed meal, yellow corn meal, wheat standard middlings, soybean oil meal, old process linseed oil meal, corn gluten feed, corn distillers' dried grains, dried beet pulp, wheat bran, ½% limestone, 1% salt.
	F.	22.20	3.98	58.95	6.09	8.78	9.24	
Larro Turkey Finisher	G.	19.00	3.50	52.00	.....	.....	7.00	Yellow corn meal, wheat standard middlings, wheat bran, meat and bone scrap, soybean oil meal, ground barley, ground oats dried buttermilk, dried skimmed milk, dried whey, alfalfa meal, 2½% limestone, ½% salt.
	F.	20.00	4.63	55.82	10.20	9.35	6.03	
John T. Lewis & Bros., Co., Philadelphia, Pa.								
Old Process 32% Linseed Meal	G.	32.00	4.50	.....	.....	.....	10.00	
	F.	**30.89**	6.84	48.35	5.61	8.31	8.87	Linseed meal.
L. B. Lovitt & Co., Memphis, Tenn.								
Lovit Brand 41% Cottonseed Meal	G.	41.00	5.00	38.00	.....	.....	13.00	Cottonseed meal.
	F.	**38.76**	7.38	41.19	6.49	6.18	10.39	
Maine Fish Meal Co., Portland, Me.								
Maine Vitamin D Fish Meal	G.	55.00	10.00	.....	.....	.....	1.00	5-7% salt, vacuum produced, anti-rachitic level, fifteen per cent.
	F.	56.39	19.06	.....	16.75	7.72	.....	
Maple Leaf Milling Co., Toronto, Canada								
Maple Leaf Red Dog	G.	16.50	3.50	58.00	.....	.....	4.50	
	F.	**14.63**	4.70	66.05	3.63	10.99	5.26	
Rex Wheat Bran with Screenings	G.	15.00	3.50	50.00	.....	.....	12.00	With screenings not exceeding mill run.
	F.	15.94	4.83	63.08	5.33	10.82	10.74	
Rex Wheat Middlings	G.	16.00	5.00	52.00	.....	.....	9.00	Screenings not exceeding mill run.
	F.	**15.45**	**4.68**	65.65	3.73	10.49	5.79	
Maritime Milling Co., Buffalo, N. Y.								
B-B Complete Chick Starter Ration	G.	20.00	4.00	60.60	.....	.....	6.00	Fortified cod liver oil, kelp meal, dried cheese whey, dried buttermilk, California alfalfa leaf meal, wheat standard middlings, wheat bran, ground wheat, corn gluten meal, corn meal pulverized heavy oats, pulverized barley, soybean oil meal, ground oat meal, meat and bone meal, fish meal, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	20.88	4.43	57.85	7.81	9.03	5.37	

B-B Daisy Egg Mash	G.	20.00	3.50	50.60	.....	.....	9.00	Fortified cod liver oil, dried buttermilk,alfalfa meal, wheat bran, wheat standard middlings, soybean oil meal, corn gluten meal, corn meal, pulverized barley, pulverized oats, meat and bone meal, fish meal, calcium carbonate, salt, manganese sulphate.
	F.	20.14	3.93	54.83	11.54	9.56	7.30	
B-B Farmers Mixing Feed Sweetened	G.	32.00	4.00	45.00	.....	.....	9.00	Molasses, soybean oil meal, cottonseed meal, old precess linseed oil meal, corn gluten meal, corn gluten feed, brewers' dried grains, steamed bone meal, calcium carbonate, salt.
	F.	35.68	3.92	44.54	7.21	8.65	6.65	
B-B Fattening Mash	G.	13.00	4.00	60.00	.....	.....	6.00	Dried cheese whey, dried buttermilk, wheat flour middlings, wheat standard middlings, corn meal, corn germ meal, dehydrated alfalfa meal, pulverized barley, pulverized heavy oats, old process linseed oil meal, feeding rolled oats, meat and bone meal, calcium carbonate. salt.
	F.	15.37	5.13	62.91	7.84	8.75	6.65	
B-B Flushing and Conditioning Mash	G.	14.00	2.50	60.00	.....	.....	4.00	Fortified cod liver oil, shark liver oil, dried cheese whey, dried buttermilk, dehydrated alfalfa leaf meal, wheat standard middlings, corn meal, ground oat meal, soybean oil meal, meat and bone meal, fish meal, calcium carbonate, salt, potassium iodide.
	F.	15.72	4.86	64.38	6.24	8.80	4.12	
B-B Growing Mash	G.	15.00	4.00	55.00	.....	.....	8.00	Fortified cod liver oil, dried cheese whey, dried buttermilk, dehydrated alfalfa meal, wheat bran, wheat standard middlings, ground wheat, corn meal, pulverized heavy oats, pulverized barley, ground oat meal, soybean oil meal, corn gluten meal, meat and bone meal, fish meal, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	19.96	4.33	58.78	7.56	9.37	6.43	
B-B Hi-Test Dairy Feed 20% Protein Sweetened	G.	20.00	4.00	50.00	.....	.....	12.00	Dried brewers' grains, cottonseed meal, corn gluten feed, soybean oil meal, hominy feed, ground oats, corn meal, cleaned, pulverized and bolted screenings from wheat, oats and barley, wheat bran, molasses, steamed bone meal, calcium carbonate, salt.
	F.	21.45	**3.64**	56.92	7.86	10.13	9.01	
B-B Layer and Breeder Mash	G.	20.00	4.50	50.00	.....	.....	7.00	Fortified cod liver oil, liver meal, kelp meal, dried cheese whey, dried buttermilk, California alfalfa leaf meal, wheat bran, wheat standard middlings, soybean oil meal, corn gluten meal, corn meal, pulverized heavy oats, pulverized barley, ground oat meal, meat and bone meal, fish meal, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	19.81	4.50	54.14	12.62	8.93	5.66	
B B Marmico 16% Protein Dairy Feed with Molasses	G.	16.00	4.00	58.00	.....	.....	**12.00**	Dried brewers' grains, soybean oil meal, cottonseed meal, corn gluten feed, corn meal, cleaned, pulverized and bolted screenings from wheat, oats and barley, wheat bran, molasses, steamed bone meal, calcium carbonate, salt.
	F.	17.86	**3.33**	60.45	8.33	10.03	9.42	
B-B Starter and Broiler Ration	G.	20.00	4.00	55.90	.....	.....	7.00	Fortified cod liver oil, kelp meal, dried cheese whey, dried butermilk, California alfalfa meal, wheat bran, wheat flour middlings, ground wheat, corn meal, pulverized heavy oats, pulverized barley, ground oat meal, soybean oil meal, corn gluten meal, meat and bone meal, fish meal, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	21.01	4.57	57.06	8.85	8.51	5.85	
Bull Brand 20 Dairy Ration Sweetened	G.	20.00	4.00	55.90	.....	.....	9.00	Dried brewers' grains, corn distillers' grains, cottonseed meal, corn gluten feed, soybean oil meal, old process linseed oil meal, hominy feed, corn meal, wheat bran, wheat standard middlings, molasses, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	23.20	3.81	58.45	5.26	9.28	7.47	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs					Certified by manufacturer to contain
		Protein	Fat	Carbohydrates	Ash	Moisture	Crude Fiber	
Dollar Maker Egg Mash	G.	19.00	3.50	50.00	.....	.....	9.00	Dried buttermilk, cod liver oil, alfalfa meal, wheat bran, wheat standard middlings, soybean oil meal, corn meal, pulverized barley, pulverized oats, meat and bone meal, calcium carbonate, salt, manganese sulphate.
	F.	19.53	4.27	55.52	12.16	8.52	7.98	
Hi-Test Dairy Feed 24% Sweetened	G.	24.00	4.00	50.00	.....	.....	12.00	Dried brewers' grains, cottonseed meal, corn gluten feed, soybean oil meal, hominy feed, ground oats, corn meal, cleaned, pulverized and bolted screenings from wheat, oats and barley, wheat bran, molasses, steamed bone meal, calcium carbonate salt.
	F.	24.60	3.81	53.57	8.25	9.77	8.09	
Super B-B 20 Dairy Ration	G.	20.00	4.00	55.00	.....	.....	9.00	Wheat germ oil, dried brewers' grains, corn distillers' grains, cottonseed meal, corn gluten feed, soybean oil meal, old process linseed oil meal, hominy feed, corn meal, wheat bran, wheat standard middlings, molasses, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	23.16	**3.64**	57.67	6.89	8.64	7.28	
Merrimack Farmers' Exchange Concord, N. H.								
Merrimack All Mash	G.	15.00	4.00	60.00	.....	.....	6.00	Ground oats, cracked wheat, corn meal, wheat bran, soybean oil meal, oat groats, alfalfa leaf meal, meat scraps, fish meal, dried skimmed milk, calcium carbonate, steamed bone meal, salt, tested oil, riboflavin concentrate (source of vitamin G).
	F.	17.16	4.57	61.42	6.04	10.81	4.85	
Merrimack Chick Starter	G.	18.00	4.00	50.00	.....	.....	5.00	Soybean oil meal, corn meal, fine cracked corn, wheat flour middlings, wheat standard middlings, wheat bran, cracked wheat, meat scraps, fish meal, ground oat groats, cut oat groats, dried skimmed milk, steamed bone meal, alfalfa leaf meal, salt, calcium carbonate, tested oil, riboflavin concentrate, (source of vitamin G).
	F.	20.31	4.76	56.84	8.32	9.77	3.83	
Merrimack 16% Dairy Ration	G.	16.00	4.50	60.00	.....	.....	8.00	Corn gluten feed, wheat bran, ground oats, corn meal, hominy feed, cottonseed meal, soybean oil meal, wheat standard middlings, cane molasses, calcium carbonate, salt, edible bone meal.
	F.	16.64	**4.13**	62.84	6.90	9.49	6.57	
Merrimack Dairy Ration	G.	20.00	4.50	50.00	.....	.....	10.00	Corn gluten feed, cottonseed meal, brewers' dried grains, corn meal, soybean oil meal, linseed oil meal, wheat bran, wheat standard middlings, ground oats, steamed bone meal, calcium carbonate, distillers' dried grains, salt.
	F.	22.33	4.85	56.02	8.43	8.37	7.47	
Merrimack Eureka Dairy	G.	20.00	4.00	55.00	.....	.....	11.00	Oat feed, gluten meal, corn meal, cottonseed, bran, gluten feed, soybean oil meal, molasses, salt, calcium carbonate.
	F.	20.84	**3.69**	58.26	8.69	8.52	11.20	
Merrimack Fitting Ration	G.	14.00	4.50	60.00	.....	.....	8.00	Soybean oil meal, ground oats, corn meal, wheat bran, linseed oil meal, cane molasses, calcium carbonate, steamed bone meal, salt, tested oil.
	F.	15.37	4.57	61.45	8.28	10.33	6.50	
Merrimack Growing Mash	G.	17.00	4.25	50.00	.....	.....	6.00	Soybean oil meal, corn meal, wheat bran, wheat flour middlings, wheat standard middlings, ground oat groats, alfalfa leaf meal, ground oats, fish meal, dried skimmed milk, meat scraps, steamed bone meal, calcium carbonate, salt, tested oil, riboflavin concentrate (source of vitamin G).
	F.	19.26	4.99	57.84	7.10	10.81	5.56	
Merrimack Horse Feed	G.	11.00	3.75	63.00	.....	.....	6.25	Whole oats, yellow cracked corn, wheat bran, linseed oil meal, cane molasses, calcium carbonate, salt.
	F.	11.99	4.16	67.10	6.11	10.64	6.01	

Merrimack Laying Mash	G.	19.00	4.25	50.00	.....	.....	6.00
	F.	19.96	5.23	55.72	8.72	10.37	5.28
Merrimack Milk Ration Sweetened	G.	20.00	4.00	53.00	.....	.....	8.50
	F.	22.24	4.54	55.94	8.20	9.08	7.66
Merrimack Pig Ration	G.	17.00	5.00	55.00	.....	.....	7.00
	F.	18.95	5.98	57.20	8.68	9.19	6.77
Merrimack Special Mash	G.	19.00	5.00	50.00	.....	.....	8.00
	F.	19.79	5.30	55.53	9.10	10.28	5.34
Merrimack Stock Feed	G.	9.00	4.00	60.00	.....	.....	11.00
	F.	12.08	4.32	67.57	7.33	8.70	10.21
Merrimack Super Mash	G.	19.00	5.00	50.00	.....	.....	6.00
	F.	20.44	5.17	56.07	8.56	9.76	5.46
George Q. Moon & Co., Binghamton, N. Y.							
Fitting Ration	G.	13.00	3.00	56.00	.....	.....	9.00
	F.	17.03	3.44	61.31	6.48	11.74	5.80
Laying Mash	G.	17.00	4.00	52.50	.....	.....	7.00
	F.	17.07	**3.36**	60.27	9.46	9.84	**10.43**
Moon's 20% Dairy Ration	G.	20.00	3.50	44.00	.....	.....	11.00
	F.	20.14	3.51	58.78	8.30	9.27	10.53
Moon's Stock Feed	G.	9.00	3.00	56.00	.....	.....	12.00
	F.	12.34	4.13	69.49	5.63	8.41	12.61
Special A Dairy 20% Ration	G.	20.00	4.00	45.00	.....	.....	10.00
	F.	23.91	4.29	55.21	7.18	9.41	7.64

Merrimack Laying Mash	Soybean oil meal, corn meal, wheat bran, wheat flour middlings, wheat standard middlings, ground oats, alfalfa meal, fish meal, meat scraps, dried skimmed milk, calcium carbonate, steamed bone meal, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
Merrimack Milk Ration Sweetened	Wheat bran, wheat standard middlings, corn gluten feed, corn gluten meal, linseed oil meal, soybean oil meal, cottonseed meal, ground oats, corn meal, brewers' dried grains, cane molasses, steamed bone meal, distillers' grains, calcium carbonate, salt.
Merrimack Pig Ration	Wheat standard middlings, wheat bran, hominy feed, corn meal, meat scraps, fish meal, wheat red dog, salt, calcium carbonate, charcoal, tested oil, soybean meal, alfalfa meal.
Merrimack Special Mash	Soybean oil meal, wheat standard middlings, corn meal, alfalfa leaf meal, wheat bran, ground oats, meat scraps, fish meal, calcium carbonate, salt, tested oil.
Merrimack Stock Feed	Cane molasses, soybean oil meal, hominy feed, oat mill feed, ground oats, salt, calcium carbonate, linseed oil meal, ground barley.
Merrimack Super Mash	Soybean oil meal, corn meal, ground oat groats, ground oats, wheat flour middlings, wheat standard middlings, wheat bran, alfalfa meal, meat scraps, fish meal, dried skimmed milk, calcium carbonate, steamed bone meal, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
George Q. Moon & Co., Binghamton, N. Y.	
Fitting Ration	Linseed oil meal, soybean oil meal, corn meal, ground oats, ground barley, wheat bran (with ground screenings not to exceed mill run), molasses, calcium carbonate, salt, bone meal, crimped oats.
Laying Mash	Coarse corn meal, wheat bran, wheat middlings, ground oats, 50% meat scraps, 50% fish meal, dried skimmed milk, salt, alfalfa leaf meal, ground oyster shells, soybean meal, cod liver oil, vitadine (vitamin and mineral concentrate), molasses, wheat germ oil.
Moon's 20% Dairy Ration	Hominy feed, soybean oil meal, corn gluten feed, ground and bolted clipped oat by-products, rye distillers' grains, corn distillers' grains, old process linseed oil meal, cottonseed meal, wheat bran (with ground screenings not to exceed mill run), calcium carbonate, salt, molasses, ground oats, ground screenings from wheat, ground barley, peanut oil meal, babassu meal, palm kernel meal.
Moon's Stock Feed	Hominy feed, corn meal, ground barley, ground oats, reground oat hulls, oat shorts, oat middlings, ½% salt, standard middlings.
Special A Dairy 20% Ration	Corn gluten feed, corn distillers' grains, rye distillers' grains, cottonseed meal, old process linseed oil meal, wheat bran (with ground screenings not to exceed mill run), soybean oil meal, peanut oil meal, hominy feed, calcium carbonate, salt, molasses, babassu meal, palm kernel meal.

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Starting Growing Mash	G.	16.00	4.00	50.00	.....	.....	7.00	Coarse corn meal, wheat bran, wheat middlings, ground oats, 50% meat scraps, 50% fish meal, dried skimmed milk, salt, alfalfa leaf meal, ground oyster shells, cod liver oil, vitadine (vitamin and mineral concentrate), wheat germ oil.
	F.	16.81	4.45	61.64	8.52	8.58	**10.87**	
James F. Morse & Co., Somersville, Mass.								
Morse's 45% Meat Scraps	G.	45.00	8.00	.....	.....	.....	.....	
	F.	46.01	10.78	.....	35.29	4.57	.....	
Morse's 50% Meat Scraps	G.	50.00	8.00	.....	.....	.....	.....	
	F.	**49.50**	10.17	.....	32.75	5.59	.....	
Muir & Co., New York, N. Y.								
Old Process 32% Linseed Meal	G.	32.00	5.00	.....	.....	.....	10.00	
	F.	33.32	5.90	46.34	5.30	8.94	8.80	
National Distillers Products Corp., New York, N. Y.								
Produlac Brand Dried Corn Distillers' Grains	G.	27.00	8.00	53.00	.....	.....	9.00	
	F.	29.33	7.90	53.02	4.10	5.65	7.78	
National Lead Co., New York, N. Y.								
Linseed Meal 32% Old Process	G.	32.00	4.50	.....	.....	.....	10.00	
	F.	33.71	6.91	46.08	5.46	7.84	8.49	
Nebraska Consolidated Mills Co. Omaha, Nebr.								
Nebco Wheat Bran	G.	15.50	3.50	61.00	.....	.....	11.00	
	F.	19.09	4.60	61.05	5.86	9.40	8.28	
New England Dairies, Charlestown, Mass.								
Skim Milk Powder	G.	32.00	0.02	.....	.....	.....	.....	
	F.	35.90	0.59	.....	7.96	5.00	.....	
New England Grain Co., Portland, Maine								
New England 25% Dairy Feed	G.	25.00	5.50	52.00	.....	.....	10.00	Cottonseed meal, corn gluten feed, old process soybean meal, linseed oil meal, pure wheat bran, wheat middlings, corn distillers' dried grains, corn meal or hominy, ground oats, fish meal, molasses, shell flour, salt.
	F.	27.58	5.73	50.61	7.27	8.81	8.37	
New England Economy 20% Dairy Feed	G.	20.00	4.00	45.00	.....	.....	12.50	Gluten feed, cottonseed meal, wheat bran, wheat middlings, soybean meal, malt sprouts, linseed oil meal, dried distillers' grains, corn meal, molasses, salt.
	F.	23.74	5.17	54.61	8.33	8.15	10.41	
New England Economy 24% Dairy Feed	G.	24.00	4.00	50.00	.....	.....	10.50	Cottonseed meal, wheat bran, wheat middlings, soybean meal, linseed oil meal, malt sprouts, gluten feed, corn distillers' grains, corn meal, molasses, salt.
	F.	23.56	5.14	55.42	6.47	9.41	10.83	
New England Economy Laying Mash	G.	16.00	5.00	50.00	.....	.....	8.00	Cod liver oil, dried skimmed milk, alfalfa leaf meal, fish meal, meat scraps, soybean meal, red dog, wheat bran, corn meal, ground wheat, brown middlings, pulverized barley and oats, molasses, shell flour, salt.
	F.	18.12	5.69	59.59	8.32	8.28	5.77	

New England Economy Laying Mash	G.	20.00	5.00	50.00	.....	.....	8.00	Ground corn, wheat and oats, wheat bran, wheat middlings, meat scraps, linseed oil meal, fish meal, alfalfa leaf meal, dried milk, cod liver oil, shell flour, molasses, salt.
	F.	20.18	5.44	56.50	9.17	8.71	6.18	
New England Economy Starter and Growing Feed	G.	18.00	5.00	50.00	.....	.....	8.00	Ground wheat corn and oats, wheat bran, flour middlings, meat scraps, alfalfa leaf meal, fish meal, dried milk, shell flour, molasses, cod liver oil, salt.
	F.	18.74	5.00	57.94	8.03	10.29	5.66	
New England Fitting Ration	G.	14.00	4.50	55.00	.....	.....	8.00	Linseed oil meal, ground oats, pure wheat bran, wheat middlings, ground barley, corn meal, bone meal, fish meal, molasses, salt.
	F.	17.76	4.31	61.37	5.46	11.10	6.74	
New England Open Formula 20% Dairy Feed	G.	20.00	5.00	55.00	.....	.....	8.50	200 lbs. linseed oil meal, 300 lbs. corn distillers' dried grains, 100 lbs. gluten feed, 100 lbs. gluten meal, 300 lbs. pure wheat bran, 140 lbs. corn meal, 300 lbs. choice cottonseed meal, 100 lbs. wheat middlings, 200 lbs. ground oats, 200 lbs. cane molasses, 20 lbs. cattle bone meal, 20 lbs. salt, 20 lbs. calcium carbonate.
	F.	21.36	5.12	58.01	6.09	9.42	8.03	
New England Sweetened Stock Feed	G.	9.00	4.00	60.00	.....	.....	10.00	Ground barley, ground oats, ground hominy meal, ground corn, oat shorts, oat feed, oat middlings, molasses, salt.
	F.	11.68	3.81	69.04	5.04	10.43	8.43	
New England Turkey Grower	G.	20.00	4.50	45.00	.....	.....	5.00	Red dog, corn meal, barley, wheat middlings, soybean meal, milk, meat scraps, fish meal, leaf meal, bran, ground oats, shell flour, cod liver oil.
	F.	21.19	5.60	54.13	10.09	8.99	5.25	
3 in 1 Mash, Starting, Growing and Laying	G.	17.00	5.00	55.00	.....	.....	6.00	Fortified cod liver oil, cod liver meal, dried milk, feeding oat meal, alfalfa leaf meal, fish meal, meat meal, flour middlings, pure wheat bran, ground corn, shell flour, ground wheat, molasses, salt.
	F.	18.47	5.48	59.82	7.44	8.79	5.87	
Nidera Argentina S. A. Buenos Aires								
Wheat Bran	G.	13.00	4.00	.....	.....	.....	13.00	With ground screenings not exceeding mill run.
	F.	15.54	4.04	64.37	6.31	9.74	10.52	
Wheat Standard Middlings	G.	14.00	4.00	.....	.....	.....	9.50	With ground screenings not exceeding mill run.
	F.	17.42	4.00	63.35	5.11	10.12	8.11	
Ogden Grain Co., Utica, N. Y.								
Biddy Laying Mash	G.	18.00	4.00	55.00	.....	.....	7.00	Alfalfa meal, pulverized oats, meat scraps, fish meal, dried skimmed milk, soybean oil meal, corn meal, ground wheat, wheat bran, wheat middlings (may contain mill run screenings), salt, oyster shell meal, cod liver oil, molasses, potassium iodide, manganese.
	F.	18.39	4.26	58.13	8.54	10.68	5.45	
Pilgrim All Purpose Complete Ration, Starter-Grower-Layer	G.	16.00	4.00	55.00	.....	.....	6.00	Alfalfa meal, pulverized oats, meat scraps, dried skimmed milk, fish meal, corn meal, wheat middlings, wheat flour middlings (may contain screenings not exceeding mill run), cod liver oil, calcium carbonate, salt, potassium iodide, manganese.
	F.	17.99	5.57	56.68	9.81	9.95	5.83	
Pilgram Cackle 20% Layer-Breeder	G.	20.00	4.00	55.00	.....	.....	8.00	Dried skimmed milk, alfalfa meal, pulverized oats, meat scraps, fish meal, gluten meal, corn meal, soybean oil meal, wheat bran, wheat middlings, oyster shell meal, cod liver oil, salt, potassium iodide, vitadine.
	F.	20.62	5.09	54.85	9.78	9.66	5.12	
Pilgrim Fitting Ration	G.	12.50	3.50	50.00	.....	.....	7.00	Old process linseed oil meal, wheat bran, corn meal or hominy, crushed oats, ground barley, ground wheat, cane molasses, calcium carbonate, salt, bone meal, potassium iodide.
	F.	13.40	3.91	64.92	6.29	11.48	5.27	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Pilgrim Laying Mash	G.	20.00	4.00	55.00	.....	.....	7.00	Alfalfa meal, pulverized oats, meat scraps, fish meal, dried skimmed milk, soybean oil meal, corn meal, ground wheat, wheat bran, wheat middlings (may contain mill run screenings), salt, oyster shell meal, cod liver oil, potassium iodide, manganese, vitadine.
	F.	20.84	4.55	55.89	9.16	9.56	6.35	
Thrift 20% Dairy Feed	G.	20.00	3.25	50.00	.....	.....	8.50	Soybean oil meal, old process linseed oil meal, corn gluten feed, gluten meal, ground corn, ground oats, ground wheat, cottonseed meal, wheat bran, wheat middlings (may contain mill run screenings), dried brewers' grains, molasses, calcium carbonate, salt potassium iodide.
	F.	22.28	3.70	56.17	8.03	9.82	6.82	
Thrift Growing Mash	G.	16.00	4.00	55.00	.....	.....	8.00	Corn meal, soybean oil meal, alfalfa meal, ground oats, ground barley, meat scraps, fish meal, wheat bran, wheat middlings, cod liver oil, calcium carbonate, salt, potassium iodide, manganese, dried skimmed milk.
	F.	17.77	4.85	59.19	8.27	9.92	6.69	
Thrift Starter and Broiler Ration	G.	18.00	4.00	55.00	.....	.....	6.00	Corn meal, gluten meal, soybean oil meal, alfalfa leaf meal, fine ground oats, ground barley, meat scraps, fish meal, wheat bran, standard middlings, cod liver oil, oyster shell meal, salt, potassium iodide, manganese, vitadine.
	F.	18.43	4.97	58.80	8.04	9.76	5.09	
Ogilvie Flour Mills Co., Montreal, Canada								
Ogilvie Wheat Bran	G.	15.00	3.50	50.00	.....	.....	11.50	
	F.	17.47	5.31	61.33	5.78	10.11	10.84	
Oswego Soy Products Corp., Oswego, N. Y.								
41% Protein Soybean Oil Meal Old Process	G.	41.00	4.50	36.00	.....	.....	7.00	Soybean oil meal.
	F.	43.47	4.16	35.35	5.46	11.56	5.38	
Park & Pollard Co., Buffalo, N. Y.								
Bidwell 20% Dairy Ration	G.	20.00	3.50	58.00	.....	.....	12.00	Wheat bran, linseed oil meal, malt sprouts, gluten feed, ground oats, gluten meal, brewers' dried grains, soybean oil meal, ground barley, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	20.40	3.83	57.85	8.82	9.10	8.45	
Bidwell Growing Feed	G.	15.00	3.00	50.00	.....	.....	7.00	Dried buttermilk, corn meal, alfalfa meal, ground oats, ground wheat, meat, bone, corn gluten meal, wheat bran (may contain mill run wheat screenings), wheat middlings, soybean oil meal, ground barley, fish meal, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	16.72	3.08	63.34	7.29	9.57	6.60	
Bidwell Laying Mash	G.	18.00	3.00	50.00	.....	.....	8.00	Dried buttermilk, alfalfa meal, corn meal, ground oats, ground barley, wheat bran (may contain mill run wheat screenings), wheat middlings, fish meal, meat and bone meal, linseed oil meal, corn gluten meal, soybean oil meal, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	20.31	3.31	58.87	9.17	8.34	6.86	

Doublex 16% Dairy Ration	G.	16.00	3.50	50.00	.....	.....	12.00
	F.	19.74	3.67	58.50	8.40	9.69	8.05
Doublex 20% Dairy Ration	G.	20.00	3.50	50.00	.....	.....	11.00
	F.	21.14	**3.21**	57.55	8.56	9.54	9.01
Doublex 24% Dairy Ration	G.	24.00	3.50	55.00	.....	.....	11.00
	F.	24.17	3.74	54.60	8.30	9.79	8.03
Lay or Bust Dry Mash	G.	20.00	3.00	50.00	.....	.....	7.00
	F.	21.89	3.40	56.00	8.85	9.86	6.25
Manamar Lay or Bust Dry Mash	G.	20.00	3.00	50.00	.....	.....	7.00
	F.	23.42	3.19	54.56	9.17	9.66	5.95
Manamar Life Cycle Mash	G.	16.00	3.50	55.00	.....	.....	7.00
	F.	16.07	3.74	63.14	7.47	9.58	6.33
Milkmaid 20% Dairy Ration	G.	20.00	4.00	55.00	.....	.....	10.00
	F.	20.84	4.75	56.53	8.30	9.58	6.73
Milkmaid 24% Sweetened Dairy Ration	G.	24.00	4.00	50.00	.....	.....	10.00
	F.	24.21	4.26	55.35	7.52	8.06	7.97
Park and Pollard All Mash Growing Feed	G.	14.50	4.00	55.00	.....	.....	7.00
	F.	16.94	**3.38**	62.85	6.87	9.96	5.64
Park and Pollard All Mash Laying Ration	G.	15.00	4.00	55.00	.....	.....	7.00
	F.	15.80	**3.49**	63.17	7.07	9.87	5.72

Doublex 16% Dairy Ration	Corn distillers' grains, ground oats, ground barley, brewers' dried grains, malt sprouts, linseed oil meal, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, hominy, soybean oil meal, corn gluten feed, molasses, calcium carbonate, salt.
Doublex 20% Dairy Ration	Linseed oil meal, corn gluten feed, brewers' dried grains, ground oats, corn gluten meal, soybean oil meal, hominy, corn distillers' grains, ground barley, wheat bran, malt sprouts, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
Doublex 24% Dairy Ration	Wheat bran, linseed oil meal, brewers' dried grains, soybean oil meal, hominy, ground oats, malt sprouts, corn gluten meal, cottonseed meal, corn gluten feed, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
Lay or Bust Dry Mash	Dried buttermilk, alfalfa leaf meal, corn gluten meal, fish meal, ground yellow corn, ground barley, meat scraps, linseed oil meal, ground oats, soybean oil meal, wheat bran (may contain mill run wheat screenings), wheat middlings, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
Manamar Lay or Bust Dry Mash	Kelp, Pacific coast fish meal, marine sea shells, dried buttermilk, alfalfa leaf meal, corn gluten meal, meat scraps, ground yellow corn, ground barley, linseed oil meal, ground oats, soybean oil meal, wheat bran (may contain mill run wheat screenings), wheat middlings, calcium carbornate, salt, manganese sulphate, vitamin tested cod liver oil.
Manamar Life Cycle Mash	Kelp, Pacific coast fish meal and marine sea shells, meat scraps, wheat bran (may contain mill run wheat screenings), wheat middlings, ground yellow corn, soybean oil meal, ground oats, ground barley, alfalfa leaf meal, corn gluten meal, dried buttermilk, manganese sulphate, vitamin tested cod liver oil.
Milkmaid 20% Dairy Ration	Corn gluten feed, linseed oil meal, cottonseed meal, ground barley, corn distillers' dried grains, soybean oil meal, ground oats, wheat bran, brewers' dried grains, malt sprouts, corn gluten meal, corn meal, cane molasses, calcium carbonate, salt.
Milkmaid 24% Sweetened Dairy Ration	Corn gluten feed, linseed oil meal, cottonseed meal, ground barley, corn distillers' dried grains, soybean oil meal, wheat bran, brewers' dried grains, malt sprouts, corn gluten meal, corn meal, molasses, calcium carbonate, salt.
Park and Pollard All Mash Growing Feed	Yellow corn meal, dried buttermilk, ground oats, alfalfa leaf meal, ground barley, corn gluten meal, meat scraps, wheat bran (may contain mill run wheat screenings), wheat middlings, fish meal, soybean oil meal, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
Park and Pollard All Mash Laying Ration	Yellow corn meal, dried buttermilk, ground oats, alfalfa leaf meal, ground barley, corn gluten meal, meat scraps, wheat bran (may contain mill run wheat screenings), wheat middlings, fish meal, soybean oil meal, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Park and Pollard Chick Starter	G.	17.00	3.50	55.00	.....	.....	6.00	Dried muttermilk, ground yellow corn, ground oats, ground barley, oat meal, fish meal, meat scraps, wheat bran, wheat middlings, corn gluten meal, soybean oil meal, alfalfa leaf meal, calcium carbonate, manganese sulphate, salt, vitamin tested cod liver oil.
	F.	19.26	4.28	58.05	8.38	10.03	5.12	
Park and Pollard Fatting Ration	G.	12.00	3.00	55.00	.....	.....	8.00	Corn meal, hominy, ground barley, wheat bran, crushed oats, soybean meal, molasses, calcium carbonate, salt.
	F.	13.75	2.80	65.41	6.49	11.55	5.84	
Park and Pollard Growing Feed	G.	16.00	3.00	50.90	.....	.....	7.00	Dried buttermilk, alfalfa leaf meal, fish meal, linseed oil meal, ground yellow corn, ground barley, meat scraps, wheat bran (may contain mill run wheat screenings), wheat middlings, ground oats, corn gluten meal, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	17.25	3.69	62.45	7.18	9.43	5.92	
Park and Pollard Starter and Broiler Mash	G.	18.00	4.00	50.00	.....	.....	7.00	Ground yellow corn, wheat bran, wheat flour middlings, pulverized oats, ground barley, fish meal, meat scraps, corn gluten meal, soybean oil meal, alfalfa leaf meal, calcium carbonate, manganese sulphate, salt, dried skimmed milk, vitamin tested cod liver oil.
	F.	18.91	4.28	57.90	9.12	9.79	5.72	
Park and Pollard Stock Feed	G.	9.00	4.00	50.00	.....	.....	12.00	Ground barley, ground corn, ground oats, hominy feed, oat hulls, oat middlings, oat shorts, calcium carbonate, salt.
	F.	10.77	**3.75**	70.01	6.56	8.91	11.06	
Park and Pollard Turkey Grower	G.	20.00	4.00	55.00	.....	.....	7.00	Yellow corn meal, ground barley, dehydrated alfalfa leaf meal, ground oats, meat scraps, wheat bran, wheat middlings, corn gluten meal, soybean oil meal, dried buttermilk, dried skimmed milk, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	21.36	4.09	55.88	9.72	8.95	5.85	
Yankee Horse Feed	G.	10.00	3.50	60.00	.....	.....	9.00	Crushed barley, cracked corn, crimped oats, wheat bran, molasses, calcium carbonate, salt.
	F.	11.07	3.32	71.14	2.90	11.57	5.89	
Parrish & Heimbecker, Toronto, Canada								
Parrheim Pure Wheat Bran	G.	15.00	3.50	51.00	.....	.....	11.50	
	F.	17.78	5.62	59.91	5.37	11.32	9.51	
Parrheim Wheat Shorts	G.	16.00	5.00	52.00	.....	.....	8.00	
	F.	17.95	**4.50**	63.11	3.36	11.08	5.82	
Penick & Ford, Cedar Rapids, Iowa								
Douglas Corn Gluten Feed	G.	23.00	1.50	57.50	.....	.....	8.50	Corn gluten feed.
	F.	27.18	1.46	55.44	7.34	8.58	7.73	

Pillsbury Flour Mills Co., Minneapolis, Minn.								
Pillsbury's Fancy Wheat Mixed Feed	G.	15.00	4.00	63.50	.....	.....	8.50	Wheat red dog, hard wheat bran with ground cleaned wheat screenings not exceeding mill run.
	F.	17.95	4.51	62.80	4.42	10.32	6.28	
Pillsbury's Hard Wheat Bran	G.	14.00	4.00	63.00	.....	.....	12.00	Hard wheat bran, ground cleaned wheat screening, not exceeding mill run.
	F.	16.03	4.15	63.62	5.99	10.21	10.01	
Pillsbury's Hard Wheat A Middlings	G.	16.00	4.00	62.00	.....	.....	6.00	Wheat red dog, hard wheat standard B middlings with ground cleaned wheat screenings not exceeding mill run.
	F.	18.04	4.76	63.28	3.57	10.35	4.61	
Pillsbury's Standard Middlings with Screenings	G.	15.00	4.00	62.50	.....	.....	9.50	Hard wheat standard middlings, ground cleaned wheat screenings not exceeding mill run.
	F.	16.59	4.42	64.16	4.63	10.20	8.27	
XX Daisy	G.	16.00	4.00	62.00	.....	.....	4.00	Wheat red dog.
	F.	19.30	4.82	62.75	3.26	9.87	3.95	
Maurice Pincoffs Co., Huston, Texas								
Pinco Brand 43% Cottonseed Meal	G.	43.00	5.50	35.00	.....	.....	12.00	
	F.	47.13	7.04	33.29	6.67	5.87	7.08	
Pittsburgh Plate Glass Co., Newark, N. J.								
Red Wing 32% Linseed Meal Old Process	G.	32.00	4.50	44.00	.....	.....	9.00	
	F.	34.59	6.25	45.95	4.89	8.32	7.90	
Purina Mills, St. Louis, Mo.								
Protena Laying Mash	G.	18.00	3.50	52.50	.....	.....	8.50	Meat scraps, soybean oil meal, linseed meal, corn meal, dried buttermilk, cod liver oil, alfalfa meal, wheat middlings (standard), wheat bran, 4% calcium carbonate (limestone), 1% salt.
	F.	21.49	4.86	54.47	10.24	8.94	7.41	
Purina Breeder Lay Chow	G.	21.00	4.00	50.00	.....	.....	8.00	Flavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, soybean oil meal, fish meal, alfalfa meal, dried buttermilk, corn gluten meal, dried buttermilk, alfalfa leaf meal, ground oats, corn meal, wheat middlings (standard), wheat bran, alfalfa meal, 1½% calcium carbonate (limestone), ½% iodized salt.
	F.	23.51	4.87	51.81	11.05	8.76	6.45	
Purina Broiler Chow	G.	18.00	3.50	53.00	.....	.....	7.00	Flavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, fish meal, soybean oil meal, corn gluten meal, dried buttermilk, alfalfa leaf meal, ground oats, corn meal, wheat middlings (standard), wheat bran, alfalfa meal, 1½% calcium carbonate (limestone), ½% iodized salt.
	F.	21.62	4.50	58.36	5.84	9.68	5.22	
Purina 14% Cow Chow	G.	14.00	3.50	60.00	.....	.....	10.00	Crushed oats, distillers' corn dried grains, linseed meal, corn meal, ground barley, soybean oil meal, wheat middlings (standard), wheat bran, molasses, 2% calcium carbonate (limestone), 1% iodized salt.
	F.	17.51	4.91	61.05	6.88	9.05	6.78	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs					Certified by manufacturer to contain
		Protein	Fat	Carbohydrates	Ash	Moisture	Crude Fiber
Purina 20% Cow Chow	G.	20.00	4.00	54.00	.....	.....	10.00	Soybean oil meal, corn gluten feed, linseed meal, crushed oats, cottonseed meal, distillers' corn dried grains, wheat middlings (standard), wheat bran, corn meal, alfalfa meal, molasses, 1% steamed bone meal (tricalcium phosphate), 1% salt (sodium chloride), 1% limestone (calcium carbonate), potassium iodide 0.17 grams per 100 pounds of feed.
	F.	21.71	4.79	57.05	6.64	9.81	6.17	
Purina 24% Cow Chow	G.	24.00	4.00	49.00	.....	.....	11.00	Soybean oil meal, corn gluten feed, linseed meal, cottonseed meal, distillers' corn dried grains, wheat middlings (standard), wheat bran, corn meal, alfalfa meal, molasses, 1% salt (sodium chloride), 1% limestone (calcium carbonate), potassium iodide 0.17 grams per 100 pounds of feed.
	F.	26.14	4.85	52.78	7.62	8.61	6.79	
Purina Dry and Freshening Chow	G.	12.50	2.50	59.00	.....	.....	14.00	Flavin concentrate, carotene, soybean oil meal, crushed oats, dried beet pulp, corn meal, alfalfa meal, wheat bran, molasses, 2% calcium carbonate (limestone), 2% iodized salt.
	F.	15.15	2.81	62.82	8.83	10.39	12.33	
Purina Egg Chow	G.	15.50	3.50	55.00	.....	.....	8.00	Carotene, meat scraps, ground oats, fish meal, soybean oil meal, alfalfa meal, dried buttermilk, wheat bran, wheat middlings (standard), dried beet pulp, corn meal, ground barley, corn gluten feed, cod liver oil, sardine oil, ½% iodized salt, 4½% calcium carbonate (limestone).
	F.	17.51	4.44	59.28	9.02	9.75	6.25	
Purina Family Flock Chow	G.	18.00	3.50	55.00	.....	.....	8.00	Carotene, meat scraps, soybean oil meal, alfalfa meal, wheat middlings (standard), wheat bran, corn meal, ground barley, corn gluten feed, dried buttermilk, cod liver oil, sardine oil, 4% calcium carbonate (limestone), ½% iodized salt.
	F.	20.01	4.27	56.63	9.65	9.44	6.14	
Purina Lay Chow	G.	21.00	4.00	50.00	.....	.....	8.00	Carotene, cod liver oil, sardine oil, meat scraps, soybean oil meal, fish meal, alfalfa meal, dried buttermilk, corn gluten feed, wheat middlings (standard), wheat bran, corn meal, ground oats, 1% iodized salt, 3% calcium carbonate (limestone).
	F.	23.25	4.71	52.57	10.35	9.12	7.25	
Purina Layena	G.	15.50	3.50	55.00	.....	.....	8.00	Flavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, ground oats, fish meal, soybean oil meal, alfalfa meal, dried buttermilk, wheat middlings (standard), dried beet pulp, corn meal, ½% iodized salt, 4% calcium carbonate (limestone).
	F.	17.09	4.99	58.98	8.71	9.63	5.78	
Purina Milk Chow 20%	G.	20.00	3.50	54.00	.....	.....	11.00	Soybean oil meal, corn gluten feed, crushed oats, cottonseed meal, distillers' corn dried grains, wheat middlings (standard), wheat bran, corn meal, alfalfa meal, molasses, 2% calcium carbonate (limestone), 1% iodized salt.
	F.	22.15	4.11	55.93	7.68	10.13	8.11	
Quaker Oats Co., Chicago, Ill.								
Bell Cow Wheat Bran	G.	15.00	3.50	.....	.....	.....	11.50	
	F.	18.25	5.46	60.02	5.91	10.36	10.14	
Bell Cow Wheat Shorts	G.	16.00	5.00	.....	.....	.....	8.00	
	F.	18.26	5.08	61.91	3.76	10.99	5.84	

Ful-O-Pep Laying Mash	G.	20.00	4.50	53.00	.....	.....	8.00	Oat meal, hominy feed, yellow hominy feed, wheat bran, wheat standard middlings, barley feed, corn gluten meal, pulverized oats, fish meal, cod liver meal, meat scraps, soybean oil meal, fortified sardine oil, dried buttermilk, cane molasses, dehydrated alfalfa meal, dehydrated cereal grass (from wheat, oats, rye, and barley), ¾% salt.
	F.	20.92	5.37	58.61	5.96	9.14	7.22	
Quaker 20% Protein Dairy Ration	G.	20.00	4.00	57.00	.....	.....	12.00	Crushed oats, hominy feed, yellow hominy feed, barley, cottonseed meal, corn distillers' grains, corn gluten feed, soybean meal, wheat bran, wheat standard middlings, oat mill feed, oat hulls, oat shorts, oat middlings, 1% salt, 1% iodized ground limestone, 1% bone meal, cane molasses.
	F.	20.01	4.20	59.70	8.70	7.39	9.52	
Quaker Sugared Schumacher Feed	G.	10.00	3.00	67.00	.....	.....	12.00	Ground corn, hominy feed, yellow hominy feed, barley feed, cottonseed meal, soybean oil meal, low grade wheat flour, wheat standard middlings, oat mill feed (oat hulls, oat shorts, oat middlings), 1% salt, 1% iodized ground limestone, 1% bone meal, cane molasses.
	F.	11.99	3.87	68.24	7.51	8.39	11.54	
Sugared Vim Oat Mill Feed	G.	4.50	1.25	80.00	.....	.....	27.50	Oat mill feed (oat hulls, oat shorts, oat middlings), cane molasses.
	F.	4.95	1.25	80.94	7.47	5.39	25.11	
Ralston Purina Co., St. Johnsbury, Vt.								
Brooks' Fancy Wheat Mixed Feed	G.	15.00	3.50	63.50	.....	.....	8.50	Wheat bran, wheat middlings, red dog flour.
	F.	17.07	4.70	63.01	5.01	10.21	8.09	
Protena 20% Dairy Feed	G.	20.00	3.50	50.00	.....	.....	12.00	Soybean oil meal, cottonseed meal, corn gluten feed, wheat middlings (standard), alfalfa meal, wheat bran, ground grain screenings from wheat, corn, oats, barley and kafir, molasses, 2% calcium carbonate (limestone), 1% iodized salt.
	F.	22.03	4.32	54.53	8.81	9.71	8.35	
Purina Calf Startena	G.	19.50	2.50	52.50	.....	.....	9.50	Riboflavin concentrate, carotene, linseed meal, soybean oil meal, blood flour, dried skimmed milk, wheat flour (second clear), bolted corn meal, dried beet pulp, crushed oats, alfalfa meal, wheat middlings (standard), wheat bran, molasses, 1¼% calcium carbonate (limestone), 0.75% iodized salt.
	F.	22.11	3.19	57.57	7.20	9.93	8.04	
Purina Chick Growena	G.	15.00	3.50	57.00	.....	.....	7.00	Flavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, fish meal, soybean oil meal, wheat germ, dried buttermilk, alfalfa meal, corn meal, dried beet pulp, wheat middlings (gray), wheat bran, 1½% calcium carbonate (limestone), ½% iodized salt.
	F.	17.47	4.52	62.15	5.54	10.32	5.27	
Purina Chick Startena	G.	18.00	4.00	53.00	.....	.....	7.00	Flavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, fish meal, soybean oil meal, alfalfa leaf meal, wheat germ, dried buttermilk, linseed meal, corn germ meal, oat middlings, corn meal, wheat bran, wheat middlings (gray), 1½% calcium carbonate (limestone), ½% iodized salt.
	F.	22.11	4.91	57.07	5.97	9.94	4.42	
Purina 18% Cow Chow	G.	18.00	4.00	56.00	.....	.....	10.00	Soybean oil meal, cottonseed meal, distillers' corn dried grains, corn gluten feed, crushed oats, corn meal, wheat middlings (standard), alfalfa meal, wheat bran, molasses, 1% steamed bone meal (tricalcium phosphate), 1% salt (sodium chloride), 1% limestone (calcium carbonate), potassium iodide 0.17 grams per 100 pounds of feed.
	F.	19.79	4.21	58.58	7.69	9.73	5.98	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Red Wing Milling Co., Red Wing, Minn.								
Red Wing Special Wheat Bran	G.	14.50	4.10	62.30	.....	.....	15.00	With ground screenings not exceeding mill run.
	F.	17.86	4.72	60.11	5.52	11.79	9.47	
Rodney Milling Co., Kansas City, Mo.								
Heart of America Pure Wheat Bran	G.	16.50	3.50	60.00	.....	.....	10.00	Wheat bran not exceeding mill run.
	F.	17.07	4.86	62.82	6.31	8.94	9.12	
Russell-Miller Milling Co., Minneapolis, Minn.								
Occident Bran	G.	14.00	4.00	61.50	.....	.....	11.50	Hard wheat.
	F.	18.48	5.27	60.51	6.22	9.52	8.14	
Occident Flour Middlings	G.	15.50	4.00	60.00	.....	.....	5.00	Hard wheat.
	F.	18.60	3.88	64.04	2.62	10.86	2.88	
Occident Mixed Feed	G.	15.00	4.50	61.50	.....	.....	9.50	Hard wheat, mill run of bran, middlings, red dog.
	F.	18.48	4.98	60.31	5.36	10.87	8.09	
Occident Standard Middlings	G.	15.00	4.00	59.50	.....	.....	9.50	Hard wheat.
	F.	19.09	5.37	61.98	4.70	8.86	7.69	
St. Albans Grain Co., St. Albans, Vt.								
Hygrade 16 Milk Ration Sweetened	G.	16.00	4.00	55.00	.....	.....	9.50	Old process linseed meal, soybean oil meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	18.95	4.14	59.16	7.38	10.37	6.54	
Utility 20 Dairy Ration	G.	20.00	3.50	50.60	.....	.....	12.00	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, oat mill feed (oat hulls, oat shorts, oat middlings), wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	20.75	3.61	59.71	7.26	8.67	9.68	
Wirthmore 25 Balanced Ration Sweetened	G.	25.00	4.50	50.00	.....	.....	8.50	Old process linseed oil meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, salt.
	F.	26.44	4.94	52.33	6.67	9.62	6.91	
Wirthmore Breeder Mash	G.	20.00	4.50	50.00	.....	.....	7.00	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, liver meal, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	22.24	4.63	54.97	8.66	9.50	6.03	

Wirthmore Complete Chick Starter and Broiler Ration	G.	17.50	4.00	58.00	.....	.....	7.00	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, pulverized oats, ground oat groats, calcium carbonate, manganese sulphate, salt.
	F.	19.96	4.34	60.28	6.06	9.36	5.44	
Wirthmore Complete Egg Ration	G.	15.00	4.00	60.00	.....	.....	6.00	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	16.29	4.64	63.06	5.99	10.02	5.32	
Wirthmore Complete Growing Ration	G.	14.00	3.75	65.00	.....	.....	6.00	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	15.94	4.41	63.60	5.93	10.12	5.46	
Wirthmore Complete Laying Ration	G.	15.00	4.00	60.00	.....	.....	6.00	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, liver meal, meat scraps, fish meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	16.15	4.89	61.69	7.01	10.26	5.28	
Wirthmore 16 Dairy Ration Sweetened	G.	16.00	4.00	55.00	.....	.....	8.00	Old process linseed meal, soybean oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, calcium carbonate, salt.
	F.	18.91	4.89	60.52	5.99	9.69	6.44	
Wirthmore 20 Dairy Ration Sweetened	G.	20.00	4.50	55.00	.....	.....	8.00	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, salt.
	F.	21.63	5.49	56.49	6.23	10.16	7.09	
Wirthmore 14 Fitting Ration	G.	14.00	4.00	60.00	.....	.....	7.00	Fortified cod liver oil, old process linseed meal, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, fish meal, steamed bone meal, salt.
	F.	15.72	5.08	61.90	5.94	11.36	6.71	
Wirthmore Flour Middlings	G.	15.00	4.00	50.00	.....	.....	6.00	Wheat standard middlings, wheat red dog with mill run screenings.
	F.	17.51	4.25	64.55	3.04	10.65	5.47	
Wirthmore Growing Mash	G.	17.50	4.50	55.00	.....	.....	7.00	Fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	18.52	4.68	59.17	7.64	9.99	5.68	
Wirthmore Laying Mash	G.	20.00	4.00	50.00	.....	.....	7.00	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	21.62	4.82	55.14	8.59	9.83	5.31	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbohydrates	Ash	Moisture	Crude Fiber	
Wirthmore Record Ration	G.	20.00	4.25	55.00	.....	.....	8.50	Old process linseed oil meal, soybean oil meal, corn gluten meal, corn distillers' dried grains, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, dried beet pulp, wheat bran, wheat standard middlings, cane molasses, fish meal, steamed bone meal, salt.
	F.	22.55	5.08	54.67	7.21	10.49	6.93	
Wirthmore Special Broiler Feed	G.	20.00	4.00	55.00	.....	.....	6.50	Flavin concentrate, fortified cod liver oil, dried whey, meat scraps, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	19.09	4.52	59.90	7.03	9.46	4.85	
Wirthmore Turkey Growing Ration	G.	20.00	4.00	57.00	.....	.....	7.00	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	20.88	4.34	57.38	6.98	10.42	5.47	
Schultz, Baujan & Co., Beardstown, Ill.								
Sunbeam Wheat Bran	G.	15.00	3.50	66.00	.....	.....	10.00	Pure winter wheat bran.
	F.	16.11	4.56	62.78	6.89	9.66	10.00	
Sherwin-Williams Co., Cleveland, O.								
Pure Old Process 32% Linseed Meal	G.	32.00	4.50	45.00	.....	.....	9.00	Flaxseed.
	F.	35.50	6.33	44.31	5.61	8.25	8.22	
South End Hay and Grain, Manchester, N. H.								
20% Dairy Ration	G.	20.00	4.00	53.00	.....	.....	8.00	Ground oats, wheat bran, yellow corn meal, cottonseed meal, brewers' grains, gluten meal, gluten feed, oil meal, molasses, dicalcium phosphate, salt.
	F.	21.67	3.87	57.72	6.93	9.81	7.17	
Feedboard Egg Mash	G.	19.00	4.00	54.00	.....	.....	7.00	Yellow corn meal, wheat bran, wheat flour middlings, pulverized oats, alfalfa leaf meal, corn gluten meal, soybean meal, meat and bone scrap, fish meal, dried skimmed milk, calcium carbonate, salt, fortified cod liver oil, manganese sulphate.
	F.	19.44	4.54	57.02	9.41	9.59	6.31	
Feedboard Starter and Broiler Ration	G.	20.00	3.50	55.00	.....	.....	7.00	Dried skimmed milk, yellow corn meal, wheat flour middlings, meat and bone scrap, wheat bran, alfalfa leaf meal, corn gluten meal, fine pulverized oats, fish meal, soybean meal, calcium carbonate, cane molasses, salt, dicalcium phosphate, fortified cod liver oil, manganese sulphate.
	F.	20.66	4.22	56.26	9.17	9.69	6.01	
Southern Cotton Oil Co., Tarboro, N. C.								
Scoco Brand Soybean Oil Meal	G.	45.00	4.50	34.00	.....	.....	7.00	
	F.	45.92	5.25	35.59	5.20	8.04	5.11	
F. B. Spaulding Co., Lancaster, N. H.								
Spaulding's Dairy Feed	G.	20.00	4.00	55.00	.....	.....	9.50	Linseed and/or soybean oil meal, 41% cottonseed meal, gluten feed, corn meal and/or hominy feed, wheat bran, dried brewers' grains, salt, calcium carbonate, molasses, wheat bran may contain mill run screenings.
	F	21.71	4.11	57.77	6.10	10.31	7.50	

Spencer Kellogg & Sons, Buffalo, N. Y.								
Kellogg's Old Process Linseed Meal	G.	32.00	4.00	43.00	.....	.....	9.00	Ground flaxseed oil cake.
	F.	**30.67**	4.53	48.96	6.26	9.58	8.64	
Kellogg's 41% Protein Soybean Oil Meal	G.	41.00	4.00	35.00	.....	.....	7.00	Ground soybean oil cake.
	F.	45.09	4.58	35.06	5.66	9.61	5.61	
A. E. Staley Mfg. Co., Decatur, Ill.								
Staley's Corn Gluten Feed	G.	25.00	1.50	45.00	.....	.....	8.00	Corn gluten feed.
	F.	27.93	2.11	53.77	7.92	8.27	6.90	
Staley's 41% Protein Soybean Oil Meal	G.	41.00	4.00	36.00	.....	.....	7.00	Soybean oil meal.
	F.	43.78	4.24	36.21	5.80	9.97	5.98	
Standard Milling Co., Chicago, Ill.								
Hecker's Wheat Red Dog	G.	15.00	3.00	58.50	.....	.....	3.00	Wheat red dog.
	F.	17.42	3.88	65.42	2.63	10.65	2.41	
Planet Feed	G.	15.00	4.00	63.00	.....	.....	8.00	Wheat bran, wheat red dog.
	F.	18.30	4.83	61.69	4.59	10.59	6.56	
Wheat Flour Middlings	G.	15.00	4.00	62.00	.....	.....	6.00	Wheat flour middlings with ground wheat screenings not exceeding mill run.
	F.	18.91	5.13	61.88	4.60	9.48	6.51	
Wheat Standard Middlings	G.	15.00	4.00	62.50	.....	.....	9.50	Standard middlings, ground wheat screenings not exceeding mill run.
	F.	18.87	5.68	61.62	4.86	8.97	8.50	
XXX Comet	G.	16.00	4.00	62.00	.....	.....	4.00	Wheat red dog.
	F	19.44	4.48	62.17	3.29	10.62	3.75	
Stratton & Co., Concord, N. H.								
Stratton Co's. Fancy Fine White Middlings	G.	14.00	4.26	66.00	.....	.....	6.50	
	F.	15.89	4.26	64.92	3.75	11.18	3.97	
Stratton & Co's. Fancy Wheat Bran	G.	14.00	4.00	64.00	.....	.....	11.00	
	F.	15.02	4.77	63.89	5.84	10.48	8.17	
Stratton & Co's Standard Wheat Middlings	G.	14.00	4.00	64.00	.....	.....	9.00	With ground screenings not exceeding mill run.
	F.	14.71	4.57	64.61	4.72	11.39	5.69	

Manufacturer Brand	Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Stratton & Co's. Stock Feed	G.	7.50	2.83	66.00	.....	.....	14.43	Ground oat feed, oat middlings and shorts, corn bran, cracked corn siftings, best fine yellow corn meal.
	F.	7.04	3.44	77.27	3.62	8.63	**16.59**	
Stratton & Co's. Wheat Mixed Feed	G.	13.50	4.11	63.00	.....	.....	7.13	Screenings not exceeding mill run.
	F.	15.06	4.39	64.98	5.24	10.33	6.96	
Stratton's White Clover 20% Dairy	G.	20.00	3.50	50.00	.....	.....	11.00	Linseed oil meal, corn gluten feed, brewers' dried grains, ground oats, corn gluten meal, soybean oil meal, corn distillers' grains, ground barley, wheat bran, malt sprouts, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	20.66	3.76	57.77	9.28	8.53	8.66	
Topeka Flour Mills, Topeka, Kans.								
K-Y Wheat Bran with Ground Screenings	G.	14.50	3.50	58.00	.....	.....	11.00	Wheat bran, mill run ground wheat screenings not to exceed 8%.
	F.	17.20	4.08	62.84	6.15	9.73	9.51	
Trexler Farms, Allentown, Pa.								
Buffalo Brand 20% Dehydrated Alfalfa Meal	G.	20.00	2.00	.....	.....	.....	25.00	
	F.	21.84	2.17	61.34	10.19	4.46	24.50	
Jacob Trinley & Sons, Linfield, Pa.								
Alfalfa Meal and Molasses	G.	6.00	0.04	.....	.....	.....	22.00	Alfalfa meal, molasses.
	F.	8.15	0.43	75.33	9.10	6.99	21.90	
Brewers' Grains, Alfalfa and Molasses	G.	15.00	3.00	50.00	.....	.....	17.00	Dried brewers' grains, alfalfa meal, cane molasses, salt.
	F.	18.04	3.03	64.90	5.97	8.06	16.06	
Favorite Complete Laying Mash	G.	18.00	4.00	50.00	.....	.....	7.50	Corn meal, meat scraps, buttermilk, soybean oil meal, wheat bran, wheat middlings, ground oats, gluten, molasses, salt, calcium carbonate, bone meal, alfalfa meal, charcoal, concentrated cod liver oil, bone charcoal, soluble sulphur, flowers of sulphur, potassium iodide, iron sulphate, copper sulphate, manganese.
	F.	20.57	4.07	54.69	11.41	9.26	7.34	
Favorite Growing Mash	G.	16.00	4.00	55.00	.....	.....	8.00	Corn meal, ground oats, soybean oil meal, wheat bran, wheat middlings, dried milk, meat scraps, alfalfa meal, cane molasses, bone meal, salt, cod liver oil, pulverized oats, bone charcoal, soluble sulphur, flowers of sulphur, potassium iodide, iron sulphate, copper sulphate.
	F.	17.86	4.73	58.37	9.96	9.08	7.18	
Limerick Laying Mash	G.	18.00	4.00	55.00	.....	.....	8.00	Soybean oil meal, corn meal, meat scraps, alfalfa meal, ground oats, corn gluten feed, wheat bran, wheat middlings, cane molasses, oyster shell meal, charcoal, bone meal, cod liver oil, iodized salt.
	F.	21.23	**3.55**	56.81	9.01	9.40	8.18	

Limerick Stock Feed	G.	9.00	2.50	75.00	.....	.....	12.00	Soybean meal, cottonseed meal, corn meal, ground oats, oat mill by-products, molasses, salt.
	F.	12.21	3.23	69.48	5.62	9.46	11.75	
Real 20% Dairy Feed	G.	20.00	4.00	55.00	.....	.....	11.00	Beet pulp, soybean oil meal, linseed oil meal, cottonseed meal, corn gluten feed, ground oats, corn meal, corn distillers' dried grains, wheat bran, bone meal, molasses, iodized salt.
	F.	23.86	5.24	55.95	6.83	8.12	8.51	
Real Starter-Developer Mash	G.	16.00	4.00	55.00	.....	.....	6.00	Corn meal, alfalfa leaf meal, bone meal, dried buttermilk, fish meal, meat meal, wheat bran, oat meal, middlings, molasses, cod liver oil, salt, soybean oil meal, manganese sulphate, bone charcoal, soluble sulphur, flowers of sulphur, potassium iodide, iron sulphate, copper sulphate.
	F.	19.52	4.66	56.37	9.96	9.49	5.23	
Supreme 85 Horse Feed	G.	9.00	3.00	65.00	.....	.....	11.00	Cracked corn, crushed oats, alfalfa meal, molasses, ½% iodized salt.
	F.	10.20	3.00	71.92	3.68	11.20	7.39	
Trinley's 16 Dairy Feed	G.	16.00	3.50	55.00	.....	.....	11.00	Linseed oil meal, cottonseed meal, wheat bran, malt sprouts, soybean oil meal, ground grain screenings, alfalfa meal, corn meal, cane molasses, corn distillers' dried grains, bone meal, ground oats, iodized salt, calcium carbonate.
	F.	16.99	4.20	61.84	8.28	8.69	11.90	
Trinley's 20% Dairy Feed	G.	20.00	4.00	55.00	.....	.....	11.00	Corn gluten feed, cottonseed meal, soybean oil meal, corn meal, linseed oil meal, corn distillers' dried grains, malt sprouts, ground grain screeenings, wheat bran, brewers' dried grains, cane molasses, bone meal, iodized salt, calcium carbonate.
	F.	20.14	4.59	58.55	7.56	9.16	10.12	
United Cooperative Farmers, Fitchburg, Mass.								
United Farmers' Layer	G.	19.00	5.00	.....	.....	.....	8.00	550 lbs. corn meal, 300 lbs. wheat bran, 300 lbs. wheat middlings, 300 lbs. pulverized oats, 200 lbs. 50% meat scraps, 100 lbs. soybean meal, 50 lbs. dried skimmed milk, 50 lbs. cereal grasses, buttermilk 50 lbs. 55-60% fish meal, 25 lbs. 1% alfalfa meal, 50 lbs. calcium carbonate, 17 lbs. salt, 8 lbs. fortified cod liver oil, manganese sulphate.
	F.	21.10	4.88	55.35	10.22	8.45	5.98	
United Farmers' Milkmaker	G.	20.00	4.50	53.00	.....	.....	8.00	100 lbs. cane molasses, 400 lbs. choice yellow hominy, 200 lbs. ground oats, 300 lbs. standard or pure bran, 200 lbs. choice 41% cottonseed, 200 lbs. oil meal pure, 200 lbs. corn gluten feed, 150 lbs. soybean meal, 200 lbs. corn distillers' grains, 30 lbs. calcium carbonate, 20 lbs. salt.
	F.	24.34	4.17	56.65	6.81	8.03	7.91	
United Farmers' Cooperative Creamery Association, Morrisville, Vt.								
Dried Skim Milk	G.	32.00	0.50	.....	.....	.....	.....	Roller process.
	F.	36.34	0.69	50.01	8.02	4.94	.....	
George Urban Milling Co., Buffalo, N. Y.								
Wheat Middlings	G.	15.00	4.00	50.00	.....	.....	9.50	With ground screenings not exceeding mill run.
	F.	19.26	5.54	61.85	4.48	8.87	6.28	
Valley City Milling Co., Portland, Mich.								
Rowena Mixed Feed	G.	14.50	4.00	.....	.....	.....	8.00	With ground wheat screenings not exceeding mill run.
	F.	14.84	4.74	66.01	4.96	9.45	7.43	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs						Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Rowena Wheat Bran	G.	12.50	3.00	.....	.....	.....	11.50	
	F.	14.80	4.46	65.59	5.73	9.42	8.82	
Voigt Milling Co., Grand Rapids, Mich.								
Voigt's Pure Winter Wheat Bran	G.	14.00	3.00	49.00	.....	.....	10.00	
	F.	15.15	4.34	65.45	4.99	10.07	7.43	
Wayne County Grangers' Feed Corp., Clyde, N. Y.								
Milk Producer 24% Dairy Feed	G.	24.00	4.00	50.00	.....	.....	10.00	210 lbs. corn gluten feed, 300 lbs. corn distillers', 100 lbs. old process linseed oil meal, 50 lbs. brewers' grains, 260 lbs. choice cottonseed meal, 200 lbs. wheat bran (may contain screenings), 300 lbs. soybean oil meal, 160 lbs. hominy feed or corn meal, 100 lbs. ground oats, 160 lbs. cane molasses, 100 lbs. malt sprouts, 20 lbs. steamed bone meal, 20 lbs. ground limestone, 20 lbs. salt.
	F.	25.48	**3.63**	54.77	6.77	9.35	9.06	
20% Superior Beet Pulp Feed ..	G.	20.00	4.00	.....	.....	.....	8.50	200 lbs. soybean meal, 250 lbs. corn distillers' grains, 300 lbs. corn gluten feed, 100 lbs. choice cottonseed meal, 100 lbs. old proceess linseed oil meal, 300 lbs. wheat bran (may contain screenings), 200 lbs. beet pulp, 135 lbs. ground oats, 100 lbs. brewers' dried grains, 250 lbs. hominy feed or corn meal, 65 lbs. minerals (iodized salt, bone charcoal, iron sulphate and calcium carbonate).
	F.	23.90	4.28	56.82	5.69	9.31	8.45	
Superior Calf Grower	G.	15.00	4.00	50.00	.....	.....	8.00	Wheat bran, wheat flour middlings, corn germ meal, pulverized oats, corn gluten meal, soybean oil meal, linseed oil meal, locust bean meal, nopco xx cod liver oil, calcium carbonate, steamed bone meal, iodized salt, iron sulphate.
	F.	17.60	5.03	62.05	5.91	9.41	6.09	
Superior 20% Dairy Feed	G.	20.00	4.00	50.00	.....	.....	10.00	100 lbs. choice cottonseed meal, 200 lbs. old process linseed oil meal, 200 lbs. corn gluten feed, 200 lbs. wheat bran (may contain screenings), 260 lbs. whole ground wheat, 100 lbs. ground oats, 200 lbs. corn meal, 265 lbs. corn distillers' grains, 40 lbs. brewers' grains, 50 lbs. choice malt sprouts, 150 lbs. cane molasses, 170 lbs. old process soybean oil meal, 65 lbs. minerals (iodized salt, bone charcoal, iron sulphate and calcium carbonate).
	F.	22.98	4.26	56.21	6.68	9.87	7.39	
Superior Growing Mash	G.	17.50	4.00	50.00	.....	.....	7.00	575 lbs. corn meal and hominy feed, 125 lbs. soybean oil meal, 200 lbs. oat meal, 80 lbs. ground barley, 150 lbs. wheat bran (may contain screenings), 100 lbs. heavy ground oats, 220 lbs. wheat flour middlings, 60 lbs. dried milk, 60 lbs. dried whey, 100 lbs. alfalfa leaf meal, 180 lbs. 55% meat scraps, 100 lbs. fish meal, 10 lbs. fortified cod liver oil, 40 lbs. minerals (iodized salt, bone charcoal, iron sulphate, manganese sulphate, calcium carbonate).
	F.	19.09	4.99	59.02	7.13	9.77	6.67	

Superior Laying Mash	G.	18.00	4.00	50.00	.....	.....	7.00	260 lbs. 55% meat scraps, 100 lbs. fish meal, 70 lbs. dried milk, 70 lbs. dried whey, 10 lbs. fortified cod liver oil, 560 lbs. corn meal, 100 lbs. heavy ground oats, 100 lbs. ground wheat, 60 lbs. ground barley, 200 lbs. red dog wheat flour, 140 lbs. wheat bran (may contain screenings), 50 lbs. gluten meal, 120 lbs. soybean oil meal, 100 lbs. alfalfa meal, 60 lbs. minerals (iodized salt, bone charcoal, iron sulphate, manganese sulphate, calcium carbonate).
	F.	21.80	4.51	55.50	8.15	10.04	7.00	
H. K. Webster Co., Lawrence, Mass.								
Blue Seal Beet Pulp Dairy Ration	G.	22.00	4.50	56.00	.....	.....	11.00	Beet pulp, soybean oil meal, gluten meal, malt sprouts, wheat bran, oat feed, choice cottonseed meal, peanut skins, germs and meal, hominy feed, brewers' grains, cane molasses, B.S. mineral mixture.
	F.	27.00	4.58	53.36	6.27	8.79	7.15	
Blue Seal Breeders' All Mash Ration	G.	15.00	4.00	58.00	.....	.....	5.00	Dehyrated alfalfa leaf meal, dried skimmed milk with lactoflavin supplement, fortified cod liver oil, wheat germ oil, cane molasses, high grade meat and liver meals, high grade fish meal, corn gluten meal, no. 2 yellow corn meal, ground fancy wheat, fine ground heavy oats, pure wheat bran, wheat flour middlings, salt, calcium carbonate.
	F.	18.12	4.98	59.58	7.51	9.81	5.22	
Blue Seal Breeders' Mash	G.	20.00	4.00	52.00	.....	.....	6.00	Dehydrated alfalfa leaf meal, dried skimmed milk with lactoflavin supplement, fortified cod liver oil, wheat germ oil, high grade meat and liver meals, high grade fish meal, corn gluten meal, cane molasses, no. 2 yellow corn meal, pure wheat bran, wheat flour middlings, fine ground heavy oats, ground rolled oats, ground barley, salt, calcium carbonate.
	F.	21.93	4.65	53.66	10.28	9.48	5.09	
Blue Seal 20 Dairy Ration	G.	20.00	4.00	54.00	.....	.....	9.00	Linseed oil meal (crushed cake), soybean oil meal (pea sized), ground oats, malt sprouts, corn oil meal, gluten feed, choice cottonseed meal, hominy feed, wheat bran, corn distillers' grains, dried brewers' grains, cane molasses, B.S. mineral mixture.
	F.	22.24	4.08	58.71	5.69	9.28	7.56	
Blue Seal Egg Mash	G.	20.00	4.00	54.00	.....	.....	6.00	No. 2 yellow corn meal, fine ground heavy oats, pure wheat bran, wheat flour middlings, high grade meat scraps, high grade fish meal, dried skimmed milk, alfalfa leaf meal, cane molasses, corn gluten meal, calcium carbonate, salt, fortified cod liver oil.
	F.	22.07	4.28	53.97	9.34	10.34	5.24	
Blue Seal Fitting Ration	G.	14.00	4.00	60.00	.....	.....	8.00	Rolled whole barley, fancy crimped oats, ground oats, linseed oil meal (crushed cake), soybean oil meal (pea sized), no. 2 yellow corn meal, corn oil meal, dehydrated alfalfa leaf meal, wheat bran, hominy feed, cane molasses, B.S. mineral mixture, fortified cod liver oil.
	F.	16.20	4.00	62.69	6.35	10.76	7.25	
Blue Seal Improved All Mash Ration	G.	15.00	4.00	57.00	.....	.....	5.00	Coarse ground no. 2 yellow corn, fine ground heavy oats, pure wheat bran, wheat flour middlings, high grade meat scraps, high grade fish meal, dried skimmed milk, alfalfa leaf meal, corn gluten meal, cane molasses, calcium carbonate, salt, fortified cod liver oil.
	F.	19.17	4.50	58.95	8.52	8.86	5.00	
Blue Seal Laying Mash	G.	20.00	4.00	54.00	.....	.....	6.00	No. 2 yellow corn meal, pure wheat bran, fine ground heavy oats, high grade meat scraps, corn gluten meal, wheat flour middlings, ground barley, cane molasses, alfalfa leaf meal, dried skimmed milk, high grade fish meal, salt, calcium carbonate, fortified cod liver oil.
	F.	22.59	4.41	52.76	10.45	9.79	5.14	

Manufacturer Brand		Pounds in 100 lbs. of Feeding Stuffs					Certified by manufacturer to contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Blue Seal Special 20% Dairy Ration	G.	20.00	4.50	55.00	.....	.....	10.00	Choice cottonseed meal, soybean oil meal, corn oil meal, malt sprouts, gluten feed, oat feed, wheat bran, hominy feed, peanut skins, germs and meal, linseed oil meal, corn distillers' grains, cane molasses, B.S. mineral mixture.
	F.	23.38	4.20	56.14	6.50	9.78	9.19	
Western Canada Flour Mills Co., Calgary, Canada								
Pioneer Pure Wheat Bran	G.	15.00	3.50	55.00	.....	.....	11.50	
	F.	19.35	5.56	61.31	5.03	8.75	9.52	
Pioneer Shorts	G.	16.00	5.00	.....	.....	.....	8.00	
	F.	18.25	5.89	62.24	4.81	8.81	8.52	
Wilson & Co., Cambridge, Mass.								
Register Brand 45% Meat and Bone Scrap	G.	45.00	8.00	.....	.....	.....	.....	
	F.	46.80	12.59	.....	32.47	5.12	.....	
Register Brand 55% Meat Scrap	G.	55.00	8.00	.....	.....	.....	.....	
	F.	55.51	13.76	.....	22.66	4.82	.....	

670.5